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Technical Mote

No. 18-11

Boulder Laboratories

QUARTERLY RADIO NOISE DATA JUNE, JULY, AUGUST 1961

BY W. Q. CRICHLOW, R. T. DISNEY, AND M. A. JENKINS



U. S. DEPARTMENT OF COMMERCE NATIONAL BUREAU OF STANDARDS

### THE NATIONAL BUREAU OF STANDARDS

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A complete listing of the Bureau's publications can be found in National Bureau of Standards Circular 460, Publications of the National Bureau of Standards, 1901 to June 1947 (\$1.25), and the Supplement to National Bureau of Standards Circular 460, July 1947 to June 1957 (\$1.50), and Miscellaneous Publication 240, July 1957 to June 1960 (Includes Titles of Papers Published in Outside Journals 1950 to 1959) (\$2.25); available from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

# NATIONAL BUREAU OF STANDARDS Technical Mote

No. 18-11 November 16, 1961

QUARTERLY RADIO NOISE DATA JUNE, JULY, AUGUST 1961

by

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

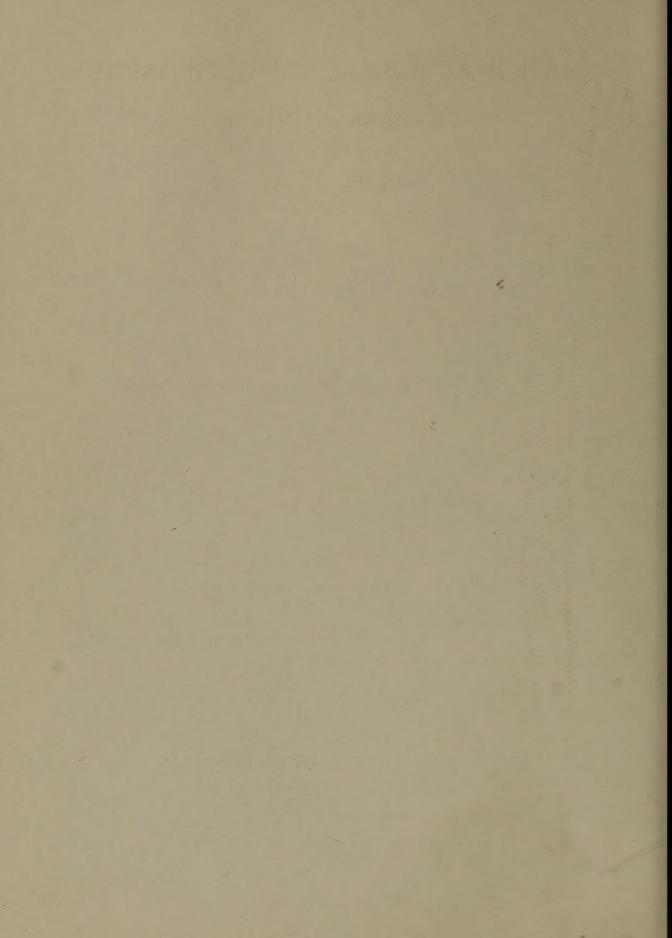
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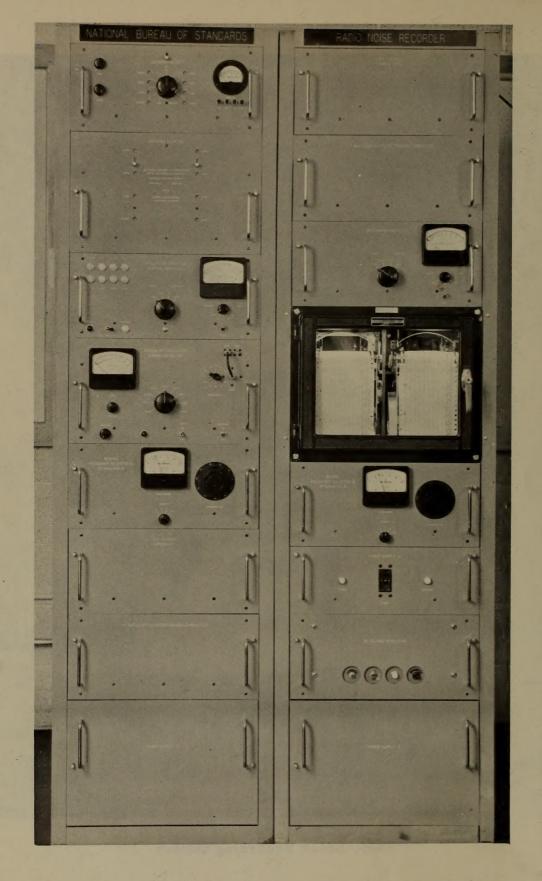
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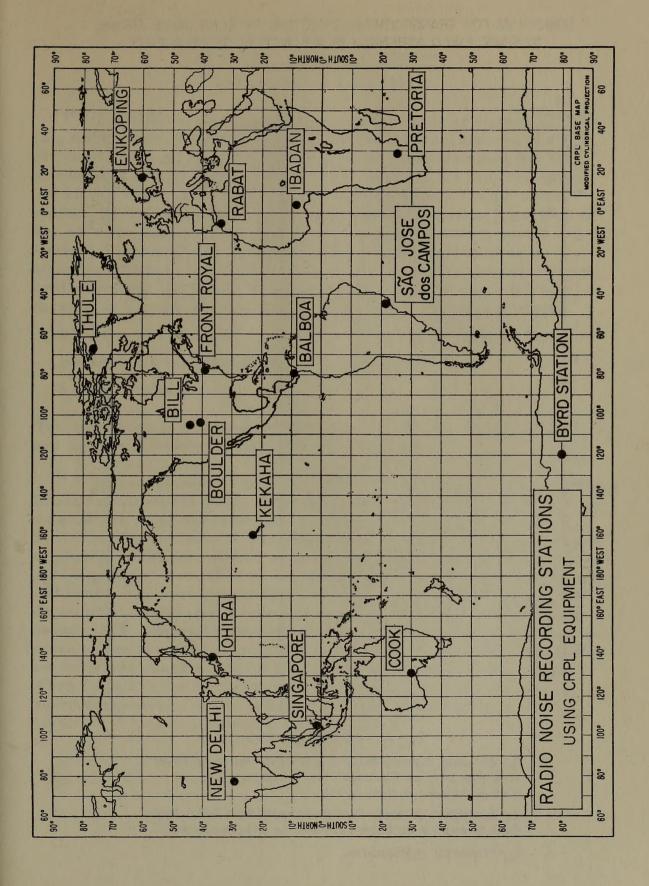




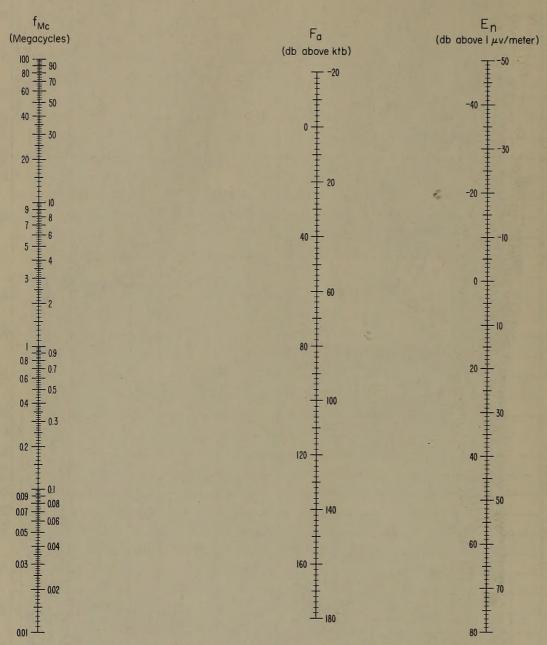
Radio Noise Recording Station



ARN-2 Atmospheric Radio Noise Recorder



# NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



 $E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$ 

F<sub>a</sub> = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

 $E_n$ = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above I  $\mu\nu$ /meter for a I kc Bandwidth.

 $f_{Mc}$ = Frequency in Megacycles.

## Radio Noise Data for the Season

June, July, August 1961

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period June, July, August 1961 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure,  $F_a$ .  $F_a$  is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

 $k = Boltzman's constant (1.38 x 10^{-23} joules per degree Kelvin)$ 

t = Absolute room temperature (taken as 288° K)

b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations,  $\boldsymbol{V}_d$  and  $\boldsymbol{L}_d$ , respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 21.75 vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians,  $F_{\rm am}$ ,  $V_{\rm dm}$ , and  $L_{\rm dm}$  are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of  $F_a$  are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median,  $F_{am}$ , and designated by  $D_u$  and  $D_\ell$ , respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

F<sub>a</sub> in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} = 65.5$$

where

 $E_n$  = the equivalent vertically polarized ground wave rms noise field strength in db above 1  $\mu\nu/meter$  for a 1 kc bandwidth.  $f_{Mc}$  = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, Ld. This contamination generally will cause the value of Ld to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitudeprobability distribution from the three measured moments [10], contaminated values of Ld may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of Ld be ignored and the most probable value of Ld from the curve on the graph of Ld vs. Vd be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of Ld that will give an amplitude-probability distribution by the method in reference 10, and

can therefore be used to determine whether the measured value or the most probable value of L<sub>d</sub> for any value of V<sub>d</sub> should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5).

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

Ministry of Communications, Wireless Planning and Co-ordination Organisation - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain)
- Singapore, Malaya

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged. The following publications contain additional information on radio noise:

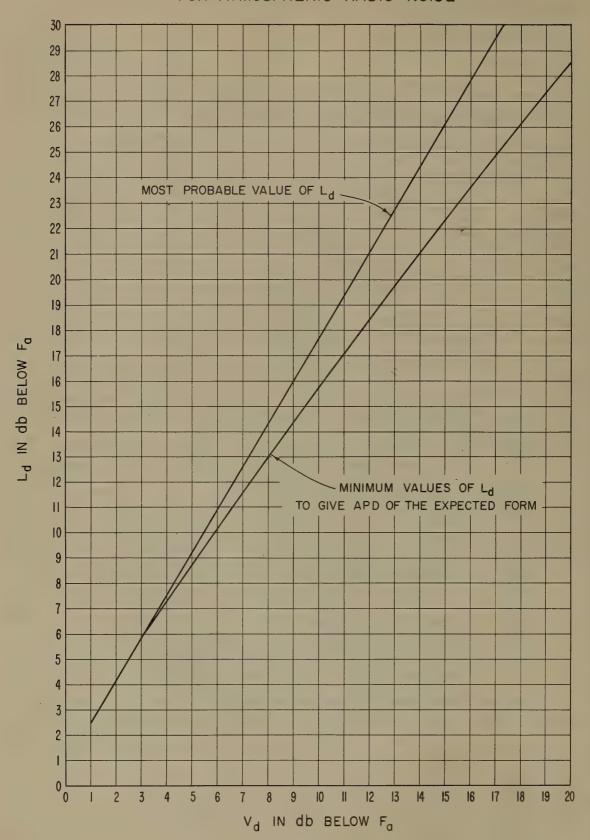
- 1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.
- 2. "Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).
- 3. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45,1, 55 (1957).
- 4. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45,6, 778 (1957).
- 5. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45,6, 787 (1957).
- 6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V.L.F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.
- 7. H. E. Dinger, "Report on URSI Commission IV Radio Noise of Terrestrial Origin," Proc. IRE, 46,7, 1366 (1958).
- 8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46,12, 1914 (1958).
- 9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D, 2, 199 (1959).
- 10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D, 1, 49 (1960).
- 11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D, 1, 41 (1960).

Data included in this report and the standard time for each station are as follows:

Station		Time Zone	To Convert LST to GMT (hours)
Balboa	June July August 1961	75 W	+05
Correction s	sheet for April 1961		
Bill	July 1961	105 W	+07
Boulder	June July August 1961	105 W	+07
Byrd Station	June July August 1961	120 W	+08
Cook	June July August 1961	135 E	-09
Enkoping	June July August 1961	15 E	-01
Front Royal	June July August 1961	75 W	+05
Kekaha	June July August 1961	150 W	+10
New Delhi	June 1961	75 E	-05
Ohira	June July August 1961	135 E	-09
Pretoria	June July August 1961	30 E	-02
Rabat	June July 1961	GMT	0
São José dos Campos	June August 1961 February 1961	45 W	+03
Singapore	June July August 1961	105 E	-07

Previous data from the NBS World-Wide Network have been published in the following Technical Note 18 series:

18-1	July 1, 1957 - December 31, 1958
18-2	March, April, May 1959
18-3	June, July, August 1959
18-4	September, October, November 1959
18-5	December, January, February 1959-60
18-6	March, April, May 1960
18-7	June, July, August 1960
18-8	September, October, November 1960
18-9	December, January, February 1960-61
18-10	March, April, May 1961



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Corrected Sheet - Fam on 20 Mc/s was in error.

 $F_{\rm gm}$  = median value of effective antenna noise in db above ktb  $D_{\rm u}$  = ratio of upper declie to median in db  $D_{\rm g}$  = ratio of median to lower declie in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

2022

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			Fam	26	~	76	40	77	44	92	70	26	76	=	124	28	32	30	₹ 2	Z.	30	30	36	38	35	24	38
-			Ldm	7.0	2.0	7.5	9.5	6.0	8.0	70.5	140	9.0	17.0	14.0	-13.5	10.5	/3.0	14.0	- 12.0	9.0	7.0	7.0	5.0	4.5	4.0	7.5	15.
			* mp/	3.5	4.0	45	5.0	5.5	5.0	6.0	0.0	5.0	11.0	8,5	6.5	6.5	8.5	8.0	2.0	5.0	4.5	4.0	3.0	2.0	1.5	4.5	3.0
		10	DE	7	~	~	M	7	12	7	ィ	ィ	4	00	(2	5	へ	2	ادم	7	7	~	h	~	7	~	7
			na	7	7	2	و	7	4	و	0	14	7	.9	7	6	7	ه:ر	15/	0	7	_	~	4	$\sim$	3	7
			Fam	64	47	47	45	47	47	45,	43	1 /	14	39	36	37	37	\$	44	45	47	49	64	49	64	48	49
ن ا			Ldm	2.0	7.5	9.0	9.0	8.0	9.0	12.5	16.0	17.5	16.5	18.5	140			8.0	14.0	17.0	15.0	120	7.0	4.0	4.5	2.0	5
3			*E >	3.0	5.0	5.5	0:5	5:0	5.0	7.0	5.5	11.5	11.0	0:01	7.5			4.5	7.5	7.1	6.5	5.0	2.5	2.5	3.0	3.5	3.5
		5	70	15	7	7	2	7	7	9	v	00	00	77	00	13	10	0	13	e	4	7	7	5.	9	9	w
			οn	4	4	7	2	2	2	00	10	10	7	10	17	14	27	26	18	8	7/	12	7	7	*	4	7
			Fam	73	7	79	79	3	79	5	24	50	9.5	44	40	44	pp	50	23,	5.4	5-5	62	62	49	49	62	60
			r <sub>da</sub> *	10.0	11.5	16.0	16.0	5.6	11.0	251	175		6.5	2.0	2.0		17.5	15.5	0.91	13.0	9.0	15.6	0.0/	10.0	9.5	9.0	9.5
			√dm ¥mb⁄	5.0	5.5	5.0	80	45	0.9	75	2610.01	-	3.0	۵.	3.0		95	08	0.0	11.5	5.5	4.5	0:5	55	ه بی	4.5	5.0
		2.5	η <sub>Q</sub>	7	9	12	7	7	7	~	7	14	6	17	00	16	10	14	19	00	9	7	00	الم	9	00	6
	(Mc)		Du	5	9	12	5	5	5	2	13	15	19	Do	14	15	32	23	27	20	19	10	7	١٧	5	*	٦,
	=		Fam	11	11	11	73	73	73	67	63	555	49	5-5	49	5.3	15	19	63	10	5.5	65	7/	21	71	11	11
	Frequency		Lam*	10.0	13.0	13.5	14.0	130	13.0	Res	145		18.0	17.5	195	19.0	11.0	300	18.5	18.0	18.5	170	14.0	12.0	12.0	12,5	13.5
	anb	5	V <sub>dm</sub> *	6.5	2.0	-2.0	7.0	6.5	7.0	0.0	2.0		10.5	0.0/	120 195	0.01	13.0	0.0	10.5	10.5	10.5	0.0/	7.5	6.0	30	7.0	2.0
5	Fre	.495	70	2	-2	10	9	8	74	00		1	77	27	25	25	22	15	٦,	15	5	14	6	13	7	3-	3
7			n <sub>Q</sub>	9	9	2	1	00	6	01		7	91	10	/3	23	13	14	00	9	4	7	e	0	00	9	6
			F <sub>am</sub>	101	101	108	101	101	106	105	*96	97	46	98	96	86	107	801	110	106	001	104	20/	701	101	104	107
ו ו				15.5	17.0	/3.5	13.5	/35	15:5	16.0	23.0	18.5	0.61	180	17.0	8.0		0.81	0.01	18.0	180	17.0	13.0	13.0	0.0	0.11	125
5		(	DA Vdm Ldm	15.5	0.0/	7.5	8.0	8.5	9.0	0.0	15:51	0.11	11.5	11.0 //	0.01	10.0 18.0	13.0 20.0	13.0	11.0	11.0	11.5/1	10.5	0.0	9.0	7.0	7.0	7.0
		.160	<b>7</b> 0	-9	0/	7	8	6	77	00	13	12	12	10	7	20	7	2/	0	14	00	00	0	9	7	•	4
	j		ρq	9	2	7	00	7	0	0	11	~	/2	6	- 1	7	17	1	9/	0/	00	9	7	7	10	00	2
			Fam	77	801	127	128	109	12	126	401	777	7	133	118	119	124	2	(28	77	441	10%	10	To!	3	124	150
	f		* up-	14.0	15.0	16.0	15.5	15.0	19.0	17.0	175	0.8	8.0	==	19.5	1.5		18.0	18.0	5%	'ŝ	6.5	op;	15.0	135	46/0/14	130
5			De Ver Lam	8.5	9.0	9.0	9.5	9.5 15.0	0.11	11.0 17.0	11.0 17.5	11.5 18.0	11.5/8.0	16 11.0 18.0	12.5	12.0 18.5	8.5 140	11.0	0.11	75 145	8.0	11.0 16.5	8.0	0.0	0.0	9.0	80
		.051	70	۸	15.	9	9	00	61	7			14	16	0	~	~	00	0/	c	9	2	e	7	2	E	Ī
1		·	Du	2	7	9	7	5	9	7			O.	0/	00	1	0/	00	=	00	9	9	3-	e	2	2	2
1			Fam	145	Chl	141	147	64	641	149	415	84/	145	Eh1	143	04	147	641	147	145	145	145	145	143	145	145	144
							8.5	17.0 149		17.0	80	8.0		8.5	18.5	19.5 140	0.9	5.5	15.51	14.S	13.0	13.5	15.0	15:51	15.0	0.9	15.57
			D& Vam Lam	10.5 17.0	11.5 18.5	11.0 17.0	11.0 18.5	10.5/	11.5 18.5	11.0/1	11.5 180	12.0 18.0	13.0 18.0	12.0 18.5	120 195 143	11.5/1	11.0 16.0 147	10.0 15.5	10.01	9.0 14	1 08	8.5	9.5	1 5%	8.5- 1	100 16.0 145	10.0 1.
		013	\ 7 <sub>0</sub>	1 /2	1	4	1	2	76	2	1 9	7 /	4	3 /	6	4 1	7	~	7	7	7	7	8	2	12	1	4
			Du	9	2	+	9	9	00	9	00	∞	8	7	9	1,2	5	7	10	9	4	ور	7	· m	m		5
			Fam	/63	163	165	165	165	163	163	163	162	191	191	191	101	163	164	1651	165	165	163	191	164	164	163	163 5 4 100 155 144 7 14 80 130 125
	(TS	اد (ا	noH	00	10	02	03 /	04	05	90	07	80	60	10	=	12 /	13	14	15	91	17 /	18	19	20	21 1/4	22 /	23
																							1				

 $F_{Qm}$  = median value of effective antenna noise in db above k†b  $D_u$  = ratio of upper decile to median in db  $D_{\mathcal{K}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

USODRA-VES-EL

٦.			Vdm Ldm	4.0	4.0	4.0	5.5	* 53	* 6.5	3.5	*	4'5	5.0	+3	5.0	65	10.0	*°.	75.	\$ to	7.0	6.0	\$ 50	6.0	*3	5.0	4ئ	
19 61				00	¥ /.5.	2.0	ج. رن	* 8	+ 3	2.0	+8	+ &	4.0	1-8	3.0	* 7	5.0	+ 3.	4,5	.γ. ?.ς	+ w.	*5.	₹°	2.5	* 8	å	3,6	
<u> </u>		0	₹q	7	2	~	7	~	8	7	7	12	7	9	7	12	4	9	9	7	3	8	~	る	7	8	7	
		7	Du	7	٦	7	8	9	1	7	00	0/	1	~	9	9/	7	~	6	9	~	~	3	9	7	9	7	
July			Fam	25	25,	24	35,	25	73	かで	ير	24	5	25	23	20	27	29	3,	3	32	31	28	27	27	215	2	
- 1			Ldm <sup>+</sup>	6.0	9.0	8.5	0.01	0.01	0.0/	11.5	12.0	11.0	11.0	11.0	0 7-1	9.0 13.5	0.01	0.0	1/15	0.01	80	2.5	50	1.0	9.0	7.5	85.	
Month			Vdm Ldm	4.0	3.5	5.0	5.0	5.5	3.5	5.5 115	2.0	0 9	6.0	2.0	9.0	9.0	6.0	0.5	9.0	5.5	4.0	3.5	4.0	4.0	4.0	3.0	4.0	
ž			ď	2	·	2	· v	2	10	13	9	00		12	4	7	9	14	2	٦,	6	2	4	00	01	2	7	
≱		9	ρŋ	•	7	•	12	0	6	00	00	7		0	9	7	81	2	18	5	~	3	9	b	4	e	2	
22			Fam	18	48	40	46	44	44	44	40	38	40	33	34	36	39	46	44	46	25	50	5-0	50	49	25	50	
. 79.				8.0	8.0	5.8	\$ °.	,5,0	0.01	4/.0	14.0	16.0	16.0	16.0		15.0	14.5	130	13.0	16.0	6.0	4 10.0	9.0		1,50	\$0.0	8.0	
Long.			Vdm Ldm	3.0	4.0	4.5	4.0	4.5	5.0	4.5.5	0:0	+2	*10.	10.0		10.0 15.0	10.0	\$0.5	40.5	41.0	6.5,	40%	2.0		3.0	4.65	30.0	
1			ZO	9	00	2	. ~0	00	14	/3	00	10	14	/3	14	7	7	7	10	14	17	9	12	.00	00	12	3	
9.0 N		τC	Du	2	0	7	ત	3	7	7	00	16	0/	2	00	77	157	34	10	18	5	00	7	2	2	7	2	
			Fam	77	47	3	40	79	77	57	15	85	50	36	do	36	42	44			09	99	64	77	65,	49	27	
Ę			Vdm Ldm Fam			11.5	12.0	* //.s´	_	15.0		13.0	4.5	10.0	4.0	145	10.0/	17.5	15:0 48	£.0	4.3.0	12.5	4.2.5	7.5	0.0	11.0	10.5	
Zone			up/	4.5- 10.0	6.0 11.5	6.0	5:0	5.0	7.5	10.	100 17.0	7.5-	5.0	· · · · · · · · · · · · · · · · · · ·	34	·o.	4.5-	10.0/	10.0/	75.	8.0	6.5-	5.5	3.5	5:0	5.0	4.5	
Z   E		Ŋ	10	7	5,	2	9	6	11 2	7	161	00			1	00	2	0/	13/	7	1/2	11	7	-9	-	0/	~	
Cang	(Mc)	7	Du	7	7	15	7	n,	9	00	14	00/		16	27	ar	32	35-	23	2	7	9	~	~	η	7	7	
9, (	3		Fam	73	73	2	73	75	73	67	19	5.5	0 9	5.0	16	25	53	3	67	65	63	65	73	73	h/	2	23	
Balboa, Canal	Cy		Ldm	14.0		15.0		16.5		20.0	==		8.5	9.0	175	1.0	19.0	20.0	_		19.5 6		14.0	150	/3.5	13.0	2.5	
	Frequency		dm L	9.0 /	10.01	11.0 /1	10.5 16.0	11.0 11	13.0 20.0	13,5	13.0 18.5	13.5 21.0	13.0 18.5	12.0 19.0	# 0.11	14.5 21.0	1,0.61	* O. S.	D.0 19.0	12.0 20.0	4.5/	10.0 14.5	8.0	10.5 /	8.0 /	8.0 /	8.0 12.5	
Station	Fre	ις.	De Vam	4	7 /10	1 0/	101	00	8	7 /	/X *	74 7	7 7 4	* ~~	*	24 1	* 8	* 0	7	5	+77	5 /	00	5	9	7	2 6	
क		495	Da	6	2	5	9	00	00	10/	14	77	1	101	7	/5-	22/		61	12/	14	7 1	~	//	8	15	7	
			Fam	104	801	601	0//	301	901	104	701	107	701	701	36		103	15,	601		20	103	102	105	106	801	80.	
Щ			dm F	15.0 1	15.0		16.0	17.0 /	1/5:	20.0	1040	21.0	==	19.51		20.0 102	15.00	43.0 19.0 \$115	19.5	20.0 106	19.0 100	16.0	150 1		130 /	/3.0 /	14.0 108	
NOISE			DZ Vơm Lơm	9.5	11.0 15	11.0 //	105 16	11.0.11	12.5 18.5	135 2	16.0 0	15.0 21	16.0 23.0	+ 130 19	130 19.5	8	14.0 2	3.0 /9	12.0 19	13.0	13.0 19	10.5 16	9.5 18	9.0 14.0	8.5 13	9.013	9.5/19	
Z			V 20	2	7 (1	1/	7 10	8	9	12 1	15/	18/	1 /1	16 /	13 /3	0H1 H1	12 19	1 × 5	00	0/	13	6 10	00	6	00	000	6 6	
8		160	Du	7	00	9	,5	7	0	1	10 /	00	1 1	08	11 1	101	15-1	2	8/	13/	11	12	4	6	9	2		ı,
34			Fam D	131 1	/3/	131	132 3	737	129		127 1	129		127	144 1	_	128 1	1/ 60/	127/		125/	123 /	129	127	1		3, 4	464
ш		_	E P	_		17.5- 1	_	18.5		21.0 129		5.				9 16 125 205 127				8 12.0 17.5 126			استفت	16.0	20 9.5 14.5 129	10.0 14.0 129	6 11.0 16.0 131	a ho
ō			Dg Vdm Ldm	12.0 16.0	11.0 16.5	12.0 1	12.5 17.5	135- 18	14.0 19.0	14.5 2	15.5 22.0	14.5 20.5	160215	15 125 19.0	15.0 19.5	5	13.5 18.0	16 15 12.0 16.5	12.5 17.0	0	12.5/15.0	10.5 16.0	23 10.0 15.5	9/ 0	1/2	4/0.	0.	1
S			De Ve	6	1 8		0	8 13		13 14	7 15	* 75	15 16	3		2	13 13	2	(10/	3	6 12	16 10	3 10	0.11 8	9	9		a die
3		051	Du	5-	2	4 7	,2		6 3	4	7	00	6	i e	4000	7	12 1	7		7	10 6	10 /1	5	12	2	79		0000
₹			Fam D	8h1		150		149 6	149 (			147	146	145				1	11 0	161	15/				· )	LAI	17 6	one o
~			F.		13.0 19.0 150	===	135 19.0 149	19.0 14	a.	0 14	14.0 20.5 147	3/	_		13.0 19.5 145	5 12.0 18.0 144	13.0 17.5 145	12.0 16.0 147	11.0 15.0 150	10.0 14.0 149	9.0 12.5 145	10.0 13.5 143	9.5 145 144	11.0 16.0 147	10.5 16.0 146	0 /5	4 130 170 147 6	Contin
Ä			D& Vdm Ldm	13.0 18.5	19.	5 18.5	9/	15:0 19.	140 20.0	140 21.0	0 20.	14.0 20.0	17.020.5	14.5 19.0	0/6	0 18.	0 17.	0 16	0 15	0 14.	(7)	0 /3.	5/14	19	5 16.	11.0 160	0 17.	90 90
웃		~	N No.		_	13.5			i i							1		Ž			==			_			/3	Control
MONTH-HOUR VALUES OF RADIO		.013		9	9	9	7	7	7	2	7	2	4	٠,	7		3	00	_	7 9	5	7	7	6 4	9	2	5 7	odion .
Z			Fam Du	4	6	9 6	169 4	4	8 691	7	7 7	2 9	2 6	5 - 5	12,5		167 6		1 4		4 9	7 5	5		4 6			-
N 0	(T2	7) .	noH rg	6710	01 169	02 169	03 //	04 167	05 /6	17/ 90	167	191 80	9 167	10 165	165	2 166		4 169	5 171	16 169	7 169	3 167	3 165	29/	169	2 167	23 167	u
	113	1) 1	·IOH	8	0	0	0	Ò	ő	Ö	07	õ	60		-	12	13	4	15	1	17	8	6	20	2	22	5	

 $F_{\rm Gm}$  = median value of effective antenna noise in db above ktb  $D_{\mu}$  = ratio of upper decile to median in db  $D_{\mathcal{K}}$  = ratio of median to lower decile in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

5.0

2.5 12.5

19			Vdm Ldm	3.0	4.5	45	200	50.5	5.0	0.0	* 12	20,5	7.0	200	2.5	3:5	2.0	2.0	5.5	7.5	6.5	0 5:5	6.0	0 4.5	4.0	2.5	×.5.	
9 6			===	2.5	30	3.5	35	<u>ب</u>	30	2,5	30	S.3	50	*5.2 12.	5	35	3	5.0	3,5	4.0	4.0	w	4.0	W	2.5	3.0	8.0	
_		20	70	γ	7	7	7	C.	m	~	1	~	7	3-		7	و	7	9	7	7	4	7.	~	4	~	2	
ıst			Da	2	1	4	~	M	5	9	~	~	3	76	5	00	2	11	10	9	7	~	7	00	7	6	2	
August			Fam	26	26	36	7	7	250	70	26	26	70	77	25	28	32	3	3.4	34	34	3	30	26	76	77	3	
			Ldm	10	0.0	90	*50	00	₩.S.	* 0.	*	10.5	10.0/	4 10.0/	11.0	11.0	11.0	10.0	10.	7.5	0.0	* 1%	2.0	7.5	7.0	7.5	FOS	
Month			De Vom Lam	* 5	12.7	* 0	*/?	2.0	+15	101 × 0	er er	2.0	in the	6.5	*V.	かい	7.5	7.5	* 5.5	5.0	5.0	* 63	45	4.0	* 5.0	0 %	40:5	
Σ		0	ďa	20	7	2	2	7	10	4	P	9	00	9	7	6	2	-9	e	4	:7-	7	9	لم	7	د	10	
<b>&gt;</b>		1	Du	-9	W	7	7	د	2/	a	4	,	و.	00	7	=	17	14	7	-	و	4		2.	4	7	4	
79.5			Fam	49	50	49	47	47	45	70	43	39	37	35	12	38	41	43	45	47	7.9	15	53	5	15	49	5	
			Vdm Ldm	2.0	7.0	7.0	7.5	0.9	80	0%	\$ 10.0	14.0	12.5	4.30	4145	133	4.0	16.0	130	10.0	10.0	من به	8.0	6.0	15.9	0.	2.0	
Long				4.0	4.0	4.0	7.4	4.5	5.0	5:5	£00	*0;	400	10:	*0.	000	30	*0°	200	20%	14	£3;	40	* 4. 12.	mi mi	₹% 0.2	4.0	
z		20	70	m	~	જ	`~	~	2	2	4	2	9	2	1	6	10	6)	2	7	90	7	7.7	7	1	~	.4	
9.0			Du	n	7	3	~	٦	18	2	00	-9	04	11	13	23	24	19	7	10	a	0	00	5	-9	3	7	
Ę.			Fam	100	65	65	65,	99	65,	- 9	55	15	49	43	44	40	45	25	Š	55	18	63	63	67	62	65	50	
			Vdm Ldm	9.6	8.5	8.0	5.5	00	25	+3	13.0	* 5g	*//.	11.0	* 3	¥ //.0	2.5	40	13.51	4.85	70.	*05	2.0	0	7.5	30	5.00	
Zone			Mp/	2,2	5.0	5.5	8.	S	53	* 00	* 8.0	2,5	*** .v.	7.5	000	7.5	*S-	tri	₹0. ?\	the.	درا زراید	*** 0	2.5	2.4	40	45	2:5	
Canal		5	7 <sub>0</sub>	(ک	٥	4	2	7	2	2	و	10	ەك	10	9	0/	19	29	75	hr	17	0	~	4	12	10	2	
1	(Mc)	2.	n <sub>Q</sub>	•	12	6	7	r,	W	2	10	9	Š	0/	14	20	17	17	76	14	13	10	3-	دا	e	2	8	
Balboa,			Fam	73	73	75	12/	17	11	11	67	19	57	5.5	1,	15	19	72	67	20	65,	65/	73	73	73	73	73	
Ball	Frequency		L-dm	12.0	12.5	/2.0	0.41	145	1,0	17.0	\$1.0	19.0	19.0	20.0	16.5	\$ 00°	23.0	20.00	18.0	19.5	15.0	13.5	10.5	9.5	10.0	10.0	11.5	
	nba		Vdm	7.0	3.0	*·	25.5	90	100	10.5	12.5	4.17	10	13.0	11.0	120	14.0	2,0	11.0	12.0	4.5	8.0	6.0	2.0	3.5	6.0	2.0	
Station	F	495	70	2	2	0,	9	00	04	10	0/	19	00	=	00	20	2	20	100	16	00	10	7	~	7	2	e	
0,		. 4	۵	10	00	9	7	9	-2	7	7	2	9	5	10	000	13	7	0/	~	7.	10	2	er	0/	10	0.1	
			Fam	130 106	12.0 106	108	801	108	15:0 108	801	106	701	101	101	107	801	101	801	011	801	100	701	(0)	106	105	401	100	
NOISE			Ldm	/3.0		11.5	13.5	15.0	15.0	19.0	12.0 185	12.5 20.0	20.0	13.0 20.0	130 21.0	13.0 00.0	12.0 18.5	12.0 185	11.0 17.0	0.8/	18.0	16.5	13.0	11.0	12.0	12.5	195	
9			DA Vam Lam	6,5	7.5	2.0	200	35	15%	13.0	12.0	13.5	13.0		/30		13.0	12.0	11.0	11.0	11.0	11.0	0.0	6.0	30	7.5	00	
0		160	Y <sub>Q</sub>	1	9	00	•	2	و-	و	-9	د-	7	10	10	<	15	16	17	9	2	10	٦)	7	0	و	9	
Ď		~	Du	9	3-	7	7	7	2		9	৽	7	اد	7	00	9	0/	0	0	00	0		0-	7	00	00	
2			Fam	/3/	131	/33	133	133	133	13/	129	10.9	(7)	10/	ব	129	/30	13/	/33	/3/	30	(2)	10,1	147	150	601	129	
PO			Dg Vdm Ldm Fam	6 9.5-140 131	150 150 131	9.5 14.5 133	10.0 16.0	6.51 2.8	9.5 15:0 133	12.0 175 131	13.0 19.0 129	140 A10 041	14.5 20.5 127	13.5 20.0 127	13.5/19.0/12.7	8 10 115 190 129	6 10 100 150 130	16.0	9 11.0 150 133	11 10.5/5.0 131	6 12 9.0 13.0 128	4 13 100 15.0 12.0	9.5 140 127	9.5 125 127	130	9.5 14.0 129	6 9.0 14.0 129	:
(n			Vdm	2.		15.		8.5		3	13.0	14.0	* 7	13.5	13.5	11.5	007	10.5	11.0	10.5	2.0	10.0	9.5		000	40	9.0	
Ä		051			٦	٠,	ے	2	00	V>c	7	7	7	00	0	0/	0/	10		=	~	13	00	7	0	00		
ALI		0	Da	و	7	9	0	(~)	~	7		7	و۔	ب				-	~	9					-	~	7	
>			Fam	641	bhi	151	151	150	151	147	841	145	145	3/11	143	145	147	841	148	149	147	147	145	145	145	147	147	-
			Ldm	16.0	150	151 16.0 151	1.0 165 151	120 17.0 150	4 10.5 16.0 151	12.0 17.5 147	4 130 190 148	3 13.5 19.0 145	14.5 20.5 145	13.5 19.0 j.45	13.0 19.5 143	4 11.5 180 145	19.5 15.51	3 11.0 15.0 148 11 10 10.5 16.0 131	4 10.0 14.0 148	9.0 13.0 149	9.0 13.0 147	9.0 14 0 147	4 9.0 13.5 145	9.5 14.0 145	241 5.41 26	4 9.5 15.0 147	4 11.0 16.5 147	*
4				0	0	75	1.0	2.0	10.5	12.0	13.0	/3.5	14.5	13.5	13.0	5:1	5.01	11.0	0.01	6.0	0.0	6.0	9.0	9.5	15%	9.5	0.//	
HOUR			Vdm	10.	10	2	* -																					
4-HOUR		13	D& Vdm Ldm Fam	4 10.0 16.0 149	4 10.0 15.0 14g	e	12	3-	4	(_5			7	7	7		4			7	2	7		7	3		4	
NTH-HOUR		.013	_	e	15	2	3	3.	7 7	4	4	η	76	7 9	2.	•	7	9	2	4	-	~	9	7	6 0	2	0	
MONTH-HOUR VALUES OF RAD	(TS		Fam Du DA Van	_		e	12	3-	4	(_5				7						16 170 6 4	- 6				3		23 166 8 4	:

13.7 0.6 0.6 5.5 5 0 7.5 06.5 0 5,5 0 6.0 04.5

4.5 12,7 5.0 5.0 0.5.0

m Ldm 200

 $F_{om}$  = median value of effective anienna noise in db above ktb  $D_{\mu}$  = ratio of upper decile to median in db  $D_{\mathcal{A}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

RN-13

USCOMB-NES-BL

,			mp																									
61			Vdm Ldm								Ī								Ī									
0			) Ya	7	2	7	7	3	4	ی	7									4	00	7	2	٥	8	00	8	
1		20	οu	7	7	2	3	~	3	7	2								Ī	J	8	38	18	9/	7	7	7	
July			Fam	77	4	70	7	7	77	47	22	\$ to	4.2	17	20	\$	77	から	74	44	76	26	26	tre	Ī	he	44	
5			==			0					-																	
t t			Dr Vam Lam																									
Month			), J.C	-	-	3	7	7	7	7	2									9	1	7	N	8	00	8	6	
≯ı		10	D <sub>u</sub>	~	~	76	2	~	4	7	9									7	2	14	7	7	9	7	3	
2 1			Fam	45	43	41	7	41	ı' jı	41	37	45	3/	34	± 35-	37	1/5	41	44	1 42	49	1/5	5-5-	55	15	49	18	
105.2			F	7	7	7	~	7	7.	2		*"	A, 2	47	*~	*~	* 2	+	* 1	2	7	8	5	7		1	4	
ng.			Vdm Ldm																									
Lat. 43.2 N Long.			PA Za		_						Į									-9				. 2	~	7		
2 2		ಸ		8	7	-9	7 4	~	4	00	00										5 9	7 8	7 4	4	4 2		9	
43.			D D	3	w	2		7 2	7	00	11	١٠	7	25	~	١,	7	90	7	7 10	2 16	11 65	159		2	5 4	65 2	
to.			n Fam	63	•	2	5.6	57	15	Sh	37	**	27	ナイ	<b>*</b> √?	35	<b>₩</b> Ŋ	38	<i>†</i> ₩	37	دری	5	0	69	9	65	9	
i			Vdm Ldm							- '																		
99																					-							
Bill, Wyoming		5.5	J <sub>Q</sub>	7	~	20	9	۲	00	10	7									7	23	6/ /	5	)	*	7	4	
Wyo	(Mc)		n Du	•	2	~	1	و۔	18	77	32				~			3	3)	74	125	7 24	35	11	2	7	7	
11,			Fam	2	2	2	100	99	20	70	33	*2	30	10.0 13.5 128	11.0 15.5 32	40	49	59	#2 2	56	57	5-9	79	174	74	74	12	
ğ	Frequency		Ldm.	20	13.0	2.5	10.0 16.0	11.0 15:0	6.51	125/7.5	17.0 17.0	7.9/	9.0 14.0	<del>*</del> <del>/3.</del> s	15.5	12.0 18.0	1.5 18.5	8.0 13.0	9.0 14.0	9.0 15.0	14.0	11.5 170	11.5	10.0	/as-	0.//	20 6.5 11.0	
o.	edn		V <sub>dm</sub>	0.9	0.0	7.0	10.0	11.0	13.0	12.5	11.0	11.0	400	# 10.0	11.0	12.0	7/.5	8.0	9.	2.0	8.0	5:11	8.0	6.0	2.0	7.0	6.5	
Station	F	495	70																			20	01	/3	10	15		
0,		40	ď																			29	30	22	15	10	11	
			Fam	36	24	to 1	to	42	64	77	12	*~	74	63	20	40		46	86	401	10	6	16	86	99	65	63	
NOISE			DZ Vem Ldm	01/	13.0	13.0	14.5	17.5		14.0 21.5	0.50 0.51	0.02	13.5 19.0	11.0 16.5	11.0 16.0	10.5 13.5	15.0	10.0 /3.0	11.0	9.0 12.0	13.0	/3.5	11.0	15.0	11.5	8:0 12.0	P.S 125	
9			Vdm	7.5	2.5	0.0	0.0	0.0	12.5	a:h/	15.0	14.0 20.0	/3.5	11.0	# 11.0	10.5	0.//	10.0	8.0	9.0	9.0	6.9	7.0	7.0	20	0.0	P.5'	
		90	70	9	12	m	1,2	00	2	00	6									1	13	/3	13	6	00	7	1	
ğ		. 16	Du	11	8	7	10	18/	20	17	16									00	8	1	11	8	0	10	01	4
R			Fam	É	120	119	811	11.5 17.0 108	104	14.0 0.00 107	40%	# 105-	407	70/	*115	511	\$18	22/	97/	77	801	70	12/	126	77	77	01 22/ 0:81	avo.
上			Dr Vam Lam Fam	8.5- 13.0	9.0 /3.5	911 12 119	811 0.01 2.6	17.0	401 581 581	20.0	401 0.06 2.41	19.5	120 17.0 102	10.5 15.5	10.0/3.0 115	9.0 13.0 119	8.0 11.5	8.0 11.0	0.0/	8.0 11.0 126	7.7	9.0 12.5	12.0	9.0 12.0 126	12.0	9.0 /3.0	13.0	db db
- 0			Mp	8.5	9.0	9.0	9.5	11.5	50	14.0	14.5	13.5 19.5	12.0	10.5	10.0	9.0	0.8	8.0	7.5	0.0	8.0	9.0	8.0	9.0	6.0	80	9.0	e in
ES		051	70	9	4	ų	e	2	9	2	01										2	9	9	9	9	9	2	a nois
1		0	Du	7	7	2	4	0/	S	01	14										00	0/	//	00	00	9	0/	ntenno
\$			Fam	hhl	2/1		147		136	134	/32	134	3	134	138	141	43	146	SHI	40	77		44	46	q to	76	hh	0 87
œ			dim	10.0 15.0 144	EKI 0.91 0.11	14.5 142	11.0 16.0 142	12.0 18.0 136	130 19.0 136	15.	0.01	145 200 134	14.0 de 0.01	15.			9.0 12.5 143	0.5	/ 0 /	8.0 11.0 146	9.0 12.0 146	8.5 12.0 146	8.5 135 144	10.0 15.0 146	10.0 14.5 146	15%	10,5 155 144 10	affact
9			/dm L	0.0	1.0.1	11.0/	1.0 /	2.0 /	30 /	130 19.5	35.	45	2.0.2	12.0/75	05/50/	9.5 13.0	101	8.5. 12.0	8.0 11.0	10%	1.0 /	15.	1 52	10.0	0.0	0.0	0.5/	of
Ĭ		60	D. Vom Lom	7	4	1/	*	7	1	7	4 135 20.0 132	_		7		5	2	~	40	7	2 6	5	4	2	1 1	2 10.0 145 146	7	value
F		. 013	Du	4	4	4	2	2	7	*	9									4	,	3	, ~~	7	~		_	edian
MONTH-HOUR VALUES OF RADIC			Fam [	165	591	163		191	19/	191	6.57	12/	00	101	5	164	200	69/	70	691	170	168	167 2	147	167	657	750	F. = median value of affective antenna noise in do above ktb
ž	(T2	۱ (۱	noH	00	01/0	02 //	03 16 /	04 1/	05 //	/ 90	07 6	80	09/ 60	10	-1 163	12 /	13 /66	14 4	15 170	16 //	17 /	18	19	20   //	21 //	22 165 5	23 165 5	F.
	b									_											L	لسا		-	10	-4		

 $F_{om}$  = median value of effective antenna noise in db above ktb  $D_{u}$  = ratio of upper decile to median in db  $D_{\mathcal{L}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

2	Ö	片	1-	MONTH-HOUR VALUES OF RAD	œ	₹	LUE	S	9	L	SAC	9	ž	NOISE	1.1	S	Station	1	Boul	Boulder,	ပိ	Colorado	do I	ie i	40.	40.1 N	Long		105.1	<b>★</b>	ž	Month	7	June	- 1	6	61
(TS																	Fre	Frequency	ncy	(Mc)	(3)																
ړ (⊏		0	013				30					160	-			4	495				2.	rU.				2				-	0				2.0		
пон	Fam		<b>}</b> ——	De Vam Lam Fam Du	+ E	am C		6 V 2	De Vam Lam Fam Du	ş-E π <sub>o</sub>	D C		PA J'O	Vdm Ldm	E S	ď	<b>N</b> 3	4 E	¥ E	Fam [	סיים	94	Vdm Ldm	Fam	m Ou	0,2	Vám	Ldm	FG	Du	20	Vơm Lơm		Fam C	٥ ٩٥	D. Vo	Vdm Ldm
8	160	ره	15	12.0 205	1 50	* /39		7/	10,5/7,5	5 116	6 5		8 9.0	0 17.0	93	6	7	10.0	16.0	73	7	9 4.0	0.8	64	7	7	4.0	8.0	77	0/	7	4.5	8.5	23	7	2 2.5	5-4.5
ō	15-9	3	د	6 125 21,0 135	10/12		7 (	6 3	7.0 18.0 114	11: 0		6	0.6	2/1 0	93	9	00	8.5	18.0	73 0	1 1	10 4.5	6.8	64	1 5	7	4.0	8.0	46	و	8	45	9.0	2	~	4	2.0 40
8	15-9	2	7	12.5 200 132	1000		5	3 10	10.0 19.5 114	11 5	6 4	7	7 10.0	0 18.5	93	2	0/	2.0	° 9/	72	5	6 40	0 %	100	7	ی	5.0	9.0	hh	9	7	4.0	8.0	23	٦,	7	2.0 4.0
03	159	7		6 120 21.0 131 13	1.0	3//		11/2	0/1 0:00 0:11	1/ 02		00		9.5 19.0	20	7	0/	3.0	a:51	7/ 1	5 1	14 50	0.6 0.	790	7	7	5.5	8.5	42	~	15	2.00	8.50	23	~	صعد	0.5 40
04	157	5	7	135 21.0 131	10.12		7	0/	10.0 20.0 106	0/0	200	11		14.0 240	22	00	الم/	7.5	11.5	79	7 /	10 5.0	0 9.5	5 56	0	4	5.0	8.5	50	4	4	5.0	8.0	23	~(	3 /	0 30
02	157	4		6 13.0 20.5 127	10.5		0/	1/2	4 10.0 20.0 102	0/0:	0 70		17 10.	10.5 19.0	72	12	6	5.0	0.0	G	7	9	3.5 7	7.0 51	1 7	7	3.0	10.0	40	4	7	4.0	8.0	23	7	4 1.0	0,40
90	155	1		6 13.0 21.0 125	21.0 1		9	6 13	13.0 22.0 92	0.0	2	17		9.0 18.5	20	2	6	5.0	7.5	47	7	10	2.5 5.0	246	0	9	4.0	2.0	38	7	12	5.0	8.5	23	ω,	イ	2.0 45
07	157	~	2	Ec/ 0.16 281	11.0	بجير	2	6 14	14.0 04.0 97	6 0.	2 9		15 9.	9.0 17.0	89	01	1,5	3.5	7.0	45	4	7.5/	5.45	142	7	3	3.5	2.9	36	9	12	5.0	8.5	23	,	ج	3.0 5.0
08	159	~	00	135 20.5 423	× 5.0	2		3	LO1 0.66 2.4	0/0		5-1	16 10.	10.5 20.0 67	67	10	9	3.5	6.0	47	7	* ~	1.5 4.0	42	ナ	7	3	5.5	34	-5	-6	5.0	9.0	25	2	7.	4.0 6.5
60	155	00		6 130210 123	10/	23			46 0.56 0.51	6 0.	31 /16	11		90 150	100	14	0	5.0	7.0	47	~	4 1.0	470	0 42	7 4	0	2.5	5.0	33	(	7	5.0	8.5	25-	7	4 4.0	0 6.5
0	159		5	11.0 19.0 127	10.61		13	9	11.0 st.0	0	26 2		10 11	261/5-11	17,	23	0	7.5	o òò	1.42	7	3+~	0.40	42	- 000 - 1	12	30	40	34	7	-3	×1.2	0.0	25,	2	2	4.5 6.5
=	15.9	2	e	12.0 220 1/31	* >	3/		00	8.0 15.5 108 24	10/2	7 9		18 11.	11.0 18.0	10	29	15'	7.0	100	84	7	2	+0:	Supp	9/ 0	9	4.0	+ 3	38	8	Coo	in	\$3	60	5	7	6.0 4.0
12	163	00		8 11.0 185 139 14	18.5	39 /4		166	6.0 (2.5 114 20	15	7		100	8.5- 16.0	97	17	22	7.5 12.0	12.0	55.	25/	10 10	10.5 15.5	5 48	61 8	6	5.0	17*	40	10	00	6.0/0.0		29	7	6	6.0 7.5
<u>6</u>	165	9		19.0 16.5 x+3	6.5/	73		0.	80 15.0 120 14	0/0	10 1	H 17	_	10.0 16.5	101	14	~°°	12.5/21.5	21.5	19	191	12 7	7.0140	67 0	61 8	2	* 6.	11.0	36	7	->	5.0	9.0	3,	3	7 5.	5.0 8.0
4-	165	2	7	9.5 15.0 143	5.0 *	43		2	11 521 211 5.11	-	7		13 11:	11.5 19.0	1.05	01	77	12.0 20.0	20.0	19	191	* 21	* 90 /50	_	91 CS	7	575	0.0/	44	08	8	5.5	9.5	31	~	7 5:5	5 7.5
15	165	6-	3-	8.5 14.0 144	4.0		5	9 5	LG 11.0 122	0 /0	22 /5	1	7	80 14.0	10%	00	23	10.5 20.0	20.0	681	; 	17	8.0 16.0	45 0	200	7	0.8	125	44	ঽ	7	* 12 5.57	100	20	6	3 5.0	0.60
91	169	2	00		9.0 15.0 147		-3	00	221 0.110.9	7	200		20 %	8.5 15.0	107	7	28	13.0	1.0 Jo.0	117	141	18 8.	8.5- 13.0	0 56	1 9	10	2.4	4.5 7.5	3/	2	8	4.0	7.5	33	7	9 5.5	000
17	167	2	9	9.0	9.0 150 140		3 /	14 %	7.0 13.0	0	126 9	2.5	1	10.5 185	103	6	30	8.5	15.0	67	101	18 80	0 /3.0	5-6	3		4.0	1.	400	3	2	35	5.9	3/	.0/	7	4.0 7.5
8	165	و	0	10.0 16.5 144	6.5		20	2	C/ KK/ 120, 0.0 E/	-2	7.7	٠١	23 1/	11.0 18.0	3	08/	26	11.0 16.5		5	1 01	16 5	5.5711.0	27 0	الا-	00	3.0	5.3	50	4	4	3.0	20%	29	7 "	2 * ??	* 0.
-03	163	-0	9	9.5 16.0	0.0	139 /	111	10 8	8.0 12.5		123/	10/	50	20105	99	7	2.	0,5	11.0	12	11 1	103	3.5 8.5	15	1-	9	3.0	1,5	Ġ	7	-3	ار ا	7.0	23	7	7	0.9
20	163	9		6 120 17.0 143	7.0 /	43	I	00	J.O.11.5.11.0.1		-3	7	14 6.	4.5 10.0	10	03	(42)	30	130	73	13	J.	4.0 7.5	100	8	000	S M	3.0	3	2	2	6.3	7.5	25/	-3	2 /15	150
21	191	-9	9	10.0 17.0	7.0%	139	00	200	80 140 120	3	0	2	0 %	1.0 13.0	47	4	10	6.5	11.0	757	7	10 4	4.0 7.5	66	2	3	0.7	7.5	149	9	47	3	7.5	757	1	4 2.5	5,50
22	19/	7		6 100 180 139	1.0 /	39	منا	1.7	4 70 140 120	0/0	7 01	110	-	20 14:0	100	9	0	6.0 14.0	14.0	75	7	11 0/	14.0	8.0 66	6	0	3.5	75.	24.8	4	3	20	7.5	23	5	476	2.0 4.0
23	19	4		6 12.0 20.0 139	0.0	39 (	9	300	8.5 17.0 118	110	6	_	00	8.5 1551	193	200	0	7.0	15.0	13	2	00	3.5 8.0	19	7	7	4.0	0.8	1.5	7	7	4.0	9.0%	23	3	4. K	1.5 4.0
	F am =	medic	DV JD	Fam = median value of effective antenna noise in db above ktb	offecti	ve an	tenna	noise	in db	apone	1 ktb																										

 $F_{gm}$  = median value of effective antenna noise in db above ktb  $D_{u}$  = ratio of upper decile to median in db  $D_{\mathcal{R}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = mediam deviation of average logarithm in db below mean power

RN-13

44m Lam Fam Du Dz Vam Lam Pz Va							ا ز	מארסרא		5					ן נ			Frequ	Frequency		(Mc)			3   =	<u>.</u>	1	3	. ם								<u> </u>	
From Dr. Dr. Verm. Lenn. From Dr. Verm. Lenn. From Dr. Dr. Verm. Lenn. Fro	013	13		-				51				16	00	-			495		-		.2		j_ 	7	-	25	-	-	4	-	0				20		
WAY         S         E         F	Pn 70 ng	20	>	E		Form	D <sub>13</sub>		Vdm	mp-		Da	V										dm L					E				Vøm	mp_				mp mp/
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 $D_{u}$  = ratio of upper decile to median in db  $D_{\mathcal{A}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

	20		x x x x 4°	4 2.6 6 1	2 45 4	1 153	1 0 2 0 4	2 30 4	x 4 20 3.	1 3,5 4	4 354	2 6 30 40	10 4 5.07	8 2 5.0 7.5	8 7 6.5 8.5	f 8 7.0 10.	8 4 105/50	0 4 4 5:0 7.5	8 6 4.5 7.	7 4 40 6.0	8 6 45 4	10 5 35 5	2 30 4	4 2 20 4	4 2 20 5	7 20 2
		Fam Du	8	1/4	10	20 2	h 61	2/12	2 2	7 10	23 4	رج ج	2	151	77	33 4	96	01 68	3,	30 8	50	26	17	10	70	10
	0	Dr Vem Lem	5.0 8.5	4 0 40	5:0 85	\$ 0.6 9.0	5.5 7.0	45 40	40 85	\$.0 8.0	5.0 7.0	4.0 4.0	4.5 7.0	4070	6.0 9.5	7.0 10.5	4.0 8.0	40 80	3:- 4.0	306.0	4.0 7.5	3.5 7.0	5:0 6:5	3.0 6.0	40 4	50 6.5
		Du	7 8	7 2	7 2	2 4 5	رم ح	2 7	2 2 6	hh	, 3 7	7	6 3	ナイ	7 4	5 6 2	7 78	9 6	0 6	4 4	7 7	イイ	7	5 7 1	3 2	7 9
	-	-dm Fam	8.0 45	8.0 43	8.5 43	8.0 42	10.0 43	7.0 43	10.0 43	5.5 39	5.0 36	\$5 33	¥.0 34	4.0 39	1/2 0.5	40 43	6.5 43	7.0 49	7.0 50	7.5- 53	6.5 5.3	200%	80 5	7.0 51	\$ 0.8	24 69
	5	Dr Vdm Ldm	5.4	4 5.0	4 5.0	4 4	4 5.5	4 40	7 6.0	6 40	× 30	1×0	4 ×	2.8	6 3.0	6.4	8 40	4.5	7.0	6 40	4 30	2 40	7	2 40	*6	1,7
		Fam Du	r 77	p 49	64 3	4 77	( T )	h 75	49.4	9 44	0,0	7 04	700	42 8	468	01 05	11 05	81 25	55/3	01 09	9 47	68	8 5.	5	4 10	65 3
		Ldm	10.0	0.01	0 10.0 6	5.0%	0:120 6	135	4.5.9.0 4	5 4.5 4	4.0 4	3.5	0 3.5 4	0 2.5 4	15:515		25.0	13.0	14.0	10.0	10.5	2 7.5	0 9.0 6	4.0 8.5 6	10.0	400
	2.5	0	3 50	4 5.5	e*	4 6.5	6 7.	c 25	~	4	1 × ×	ς.	ે ~	*	48	10/	17	14 71	14 40	1 = 4	3 12 6.0	1, 1	5 40	10	8	2 7
(MC)		Fam Du	21 6	21.6	5. 16	11 4	11:4	59:6	45. 8	45,3	43:4	44 3	45 2	45 12	45,24	55 6	63 14	01 19	11 22	0x 49	67 13	21 6	75 51	75-4	73 6	72 4
Frequency		Vdm Ldm	70 130	65 125	6.5 125	8.0 14.5	10.0150	9.0 13.5	8.5 12.0	4.0 8.5	27 5%	5.0 6.0	5.0 10.0	120 17.5	10.5 18.0	10.5/18.0	9.5 170	9.5 165	10.0 17.0	9.0 14.0	8.5 15.0	7.5 15.0	6.0 /35	6.0/ 0.9	6.0 9.5	011 03
Fre	495	70 °0	5 4	h +	2	5. 4	8 4	8 41	10.6	17 4	4 9	15 3	8 . 8/	22 12	07 81	14 16	81 91	19 16	19 17	40 17	41 14	15/10	12 8	12	2,	7
	-	im Fam		99 0	15:0 99	15.0 96	16.5 87	16  sox	69	2000	20.06	65	16	29	130 91	101	101 0:51	14.0 102	15:0 105	14.5 100	14.0 97	10/ 00/	101	13.0 160	115 99	130 99
	160	DZ Vdm Ldm	70 140	8.0 14.0	8.0 15	8.5	10.0/	12.5/1		2 12.0:00	14.0	2/12/ 0	13.0 20.0	11.517.5	0.11	6 10.0 16.0	2000	0.00	9.5	2.0	15.00	6.5 12	20 130	15.	6.0	1 10 1
		n <sub>G</sub>	7 9	7 19	7	9 4	5 5	6 17	31 6	7 00 1	9 12	12 10	16 10		14	11014	11 01	7/ 11/	41 41	41 C1	14 14	9 9	8 4/1	00	9 8	2
		Ldm Fam	15:0 117	15.0 117	511 091 0.01	110 160 117	11.5 19.0 111	10.5:17.0 107	11.5 18.0 103	18.0 97	46 061	19.0 95	17.5- 99	201 0.01 0.01	120 150 113	90115.57 121	9.0 14.0 125	80 135 DA	20 125 125	9.0 14.0 123	130 123	(6) 14.0 P	130 121	8.0 140 121	8.5 135 119	25 130 117
	051	DZ Vdm Ldm	4 90	0.6	0.01 4	2 100	5 11.5	2 10.5	5/1/5	4 11.0 18.0	0 19.0 190	6 11.5 190	4 11.0 17.5	4 10.0	4 180	6 90	4 9.0	6 80	5 7.0	6 9.0	00	000 9	4 8.0	4 6.0	5 8.5	3 25
		n <sub>Q</sub>	7	m	~	7	~	7	2	7	7	3	h	e	00	7 hh	8 hhl	01	0	0/	2	14 7	2	2 2H	7	3
		DX Vdm Ldm Fam	11.0170 140	11.0 175 140	11.5 18.0 140	115 185 138	18.5 18.5 136	12.5 19.5 132	12.0 19.0 132	13.0 20.0 130	13.0 20.0 130	130 20.0 130	11.0 18.0 132	11.0 180 136	10.0 16.0 140	8,5 14.5 14	8.0 13.5 14	125 146	80 130 146	135 146	140 146	15.0 144	241 09/	10.0 15.5 14	4.0 160 142	16.5 140
	0.13	DZ Vdn	3 // 6	0.11	7	1	4 B.O	1 12.5	3 12.0	3 /3.0	2 130	2	$\sim$	7	2 10.0	3 8,5	2 8.0	2 7.5	4	2 80	4 80	2 8.5	2 9.5	t	٦.	4
		Fam Du	165 2	165 2	163 4	03 /63 3	163,2	61.3		16/ 2	08 1/1/2	T /1/ 60	77/	165 2	167:3	169 3	4 111	171.4	16 171 4	169.5	5 ,691	167 6	167 5	167 4	165 5	1151
(1	.S7) ·	Hour	8	ō	8	03	04 // 3	05	90	07 /1/	08	60	10/101	Ξ	12	13	14	15	16	17	18	61	20	21 167	22 165	23 165

USCOMBLINES-PL

ram = median value of effective antenna noise in db above ktb

 $D_{u}$  = ratio of upper decile to median in db  $D_{\mathcal{A}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

USCOME.NES-FR

N (TR	HLV	MONTH-HOUR VALUES OF RADIO	*	ALU	ES	OF	RAD		NOISE		Sto	Station Byrd Station, Frequency (Mc)	rd St cy (	(Mc)	, Ant.	Lat.	'	80.08	Long.	120.0 W	M O	Month		June		19 61	
ST) 4	. 051	-		=	[3			246			545			2	5			5			10				2.0		
INOH F	n <sub>G</sub>	DX Vdm Ldm	Fam	Du	DE Va	De Vam Lam Fam	۵		mp-1 u	F G	0 م	D& Vdm Ldm	Im Fam	۵	Dz Vdm Ldm		Fam Du	170	Vdm Ldm	n Fam	Du	D.c. Vdm	Vdm Ldm	Fam C	Ja na	Vdm Ldm	mp-
00	115 4	0	78	7	7		69			151	200		32	00	30	w)	32 10	٥٥		2	1/2	3		18	7	~	
01 1/5	5 4	3	84	_	7		2,			35	4	7	30	7	10:	~	010	0/		23	~	~ ~		00	0		
02 115	2 4	7	98	7	ð		72			20	2 4		30	-9	7	8	28:10	01.		8	~	9		18	76		
03 113	3 2	٨	\$							0			29	5	3	1	27:7	15,		7	9	7		8/	7		
04 //3	3 2	5	e, 60,k				7/			3.6			3	-9	9	8	8 80	0/		10	00	7		8	7	_	
05 1/3	3	3	too.				73			00	6		ñ	,	7	8	01:98	12,		23	0/	7		18	8		
6// 90	~	3	86	٦	7		11		-1 -1	5-2	7		ŝ	-0	٠,	٦	27.9	0		7	9	7		18	7		
07 1/3	n	3	78	Ь	و		75-			5-8	3 4	1	30	12	7	7	7:9	7		8	- 9	7		18	0		
08 //3	78	7	700	76	.00		73			57	1,2	رى,	78	.2.	/	8	38	2		کہ	0/	જ		18	7		
60 //3	7	٦	98	h	7		77						28	60	11	9	2616	101		5	8	4		8/	7 7		
10 //3	٦	1	87	7	3		69			3-8	5 2	-5	30	3	7		31 11	73		23	7	~		18	4		
11 //3	~	4	28	7	4		14			85	1 2		30	~	9	,	32 9	~		23	4	4		81	7 /		
12 ///	~	7	18	76	4		73			56	4 7		30	٩	0/	<u>~</u>	30 8	e		7	8	٠,		8/	4		
13	ر م	4	24	h	10		75-			1°			78	~	10		2 5	12		2	4	~		18	8		
14 ///	~	· h	84	٦	6		71			25	7		~~			~)	33 7	~		23	7	~		18	٦ ٦	0.4	
15 ///	~	~	\$				71			3-5			0 80	72	8	17)	34 8	)		23	~	. ~6		18	7		
11/ 91	η.	3	\$ 200				11			\$25			3	2	2		35 5	9		2	~	m		18	8		
17 //3	3 4	~	£3				22			5-8	6 2		يتي	9	4		37 8	9		23	7	~		18	7		
18 ///	0 /	9	84				73			200	5		30	14	9	//\	36 11	7		2	1	5		18	7	~	
[6] [13]	76	4	24				11			5.8	7 2	C.	30	5	7	- (Y2	35 3	و		ે	4	7		18	٦ ٦	~(	
20 //3	7	~	26	W	67		69			28	-0	7	28	7	11	,,,	34 12	00		23	e	7		18	る		
21 1/3	~	~	36	ત	3		11			25	3	5	20	7	7	M	34 10	9	,	78	٠,	7		18	7	76	
22 1/3	8	7	86	7	+		73			5.6	~	00	200	2	00	w)	34 8	00		23	7	~		8/	7	4	
23 115	7	~	26	7	4		7/			50	7	9	27	m	1	.4)	357 9	17		2	2	1		8/	7	4	
Į.	= median	F = median value of affective antenna noise in db above ktb	octive o	antenno	noise	in db a	hove ktb																				

 $F_{\rm dm}$  = median value of effective antenna noise in db above ktb  $D_{\rm u}$  = ratio of upper decile to median in db  $D_{\mathcal R}$  = ratio of median to lower decile in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

M	FNC	H-H	MONTH-HOUR VALUES OF RADIO	>	AL	UES	Ō	L	SAD	0	NOISE	SE		Stal	Station Byrd Station, Ant.	yrd	Stati	ou,	Ant.	Ľ.	Lat. 80.0 S	0.8	Long.		120.0 W	≥,	Month	- 1	July	1	19 61	-1
(T.S.														IL.	Frequency	sucy	(Mc)	(C)														
د (٦	,	051				113			·	246			,	545				2,5				72				10				20		
+	Fam Du		DX Vdm Ldm	Fam	n Du	70	De Vam Lam	dm F	Fam Du		DZ Vdm Ldm	Ldm	Fam Du		~	Vdm Ldm F	Fam Du	70 n	Vdm Ldm		Fam Du		De Vam	Vdm Ldm	mo <sub>L</sub>	Du	Dr Vam 1-am	_	Form D	Du D	D& Vdm Ldm	Ldm
00	7 111	٦		18	7	٦		7	72 3	<i>w</i>			54 5	η.			26 2	7			27 8	8	20		19	9	8		18	7		
/ 10	ر 111	γ		84	~	4		7	72 5	-2 W		-,	555 2	7			26 2	~			23/	10 6			61	7	00		8	الم	7	
05 //	111 2	~		48	ч	٦		7	73 4	2		31	55 2	7		"	26 6	2			23	00			61	7	9/		18	7		
03 ///	7 11	マ		84	7	7		7	73 4	7			55 2	4			26.2	~			23 /	13.8			6/	7	14		8	イ		
04	7 111	~	,	*00				*1	75-			-2	5.5 2	7			7 80	4 4			23/	10:01			17	7	10		81	る		
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/ 80	4 111	7		h8	2	4		13		m 		3	55 5	7		0	778	7			777	3	7		51	4	8		18	7		
60	to 601	7		84	~	~		73		7		3	25.5	w			7 9 7	t +			h1 10		9		17	9	4		18	7		
10	110 3	8		48	4	γ		7	13 4	3		-7	5-5- 4	7 - 7			26.6	6 2			1/0	12 6			7	~	6		8/	γ γ		
=	0 111	7		84	7	~		7	73 2	7			5 55	~			26 4	7			25- 1	9 8			78	~	00		8	イイ		
12 /	2 601	4		H8	٦	1		7	72 3	2		-7	55 4	7			76 ,	7			27	2			76	~	00		. 37	٦,	7	
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16 /	7 111	Μ		Z*				*	43				5.5	۳			3	7			55	4 16	- 9		23	7	07		18	8		
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18 /	7 11	7		2	5	ď		-	73 4	7		-)	5.3 4	2		y	26	8			30 1	1	- m		$\tilde{\epsilon}$	3	00		0/	7	7	
/ 61	111 2	7		48	7	7			21/6	و	-	-,	55 4	7			26 2	4			20	8/2	~		78	3	00		18	2	- 01	
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21 /	111	~		84	7	*			216	9			55	7 7			26 4	4			25,	8 12	7		76	7	7		18/	7	~	
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L		ilan mali	30 30 01	Trans.	-	1	10	1	44.4																							

 $F_{\rm Dm}$  = median value of effective antenna noise in db above ktb  $D_{\mu}$  = ratio of upper declie to median in db  $D_{\mathcal{R}}$  = ratio of median to lower declie in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

USCORE NES-PL

USCORE-MES-PL

Form   Do   Var   Var   Lan   Form   Do   Do   Do   Var   Lan   Form   Do   Do   Do   Do   Do   Do   Do   D	(LST)										Frequency								-				-			
Total Vamily and Family Control Value Family Cont	=	9		- 4	13		٥	346		. 54		-	2			-	2	-	+			-	+	-		
Fig.	-	No no	Vdm Ldm	Fam	Dr Vdm L			Dr Vdm L		۵	Vdm	dm Fa	Du	Vdm	E P	i i	70	Vdm L	-		٥٧	Vdm Ld	m Fam		dm Ldm	
Fig.	=	ری		48			70		3			8	6			3/			7				61			
1		3		18			7,		5.5			3	9			27	-		7				18			
84         35         34         36         32<	750	5.		2			70		5.5			35				5			76				8/			
France   F	33 //	13		26			71		2.5			ň				30			7	~			18			
Eq.         33         33         17           Eq.         10         55         30         40         10           Eq.         10         55         30         40         10         10           Eq.         10         55         30         40         10         40         10         40         10         40         10         40         10         40		//		2			2		55.			Ŋ				50			7				10			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		,		48			72		5.5			ν,	7			23			16	-			18			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	// 90	7,		84			20		5.5			~	0		- u	44			_	0			7			
64         70         55         32         45         45         40<	77 //	.3		hs h			46		55			~	9			27			8	Q						
Fig.		7		84			20		272			n	~			157			7	0			3/			
62         72         53         48         30         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         31         32<	9	- 1		hs		-	00		5			3	6			,57			4	0			2			
	0 //			82			22		5			1	00			30			7	1			20			
	1/			82			70		54			4	8			29			~	3			20			
	2 1/	,,		23			2		S			~	0			79			76	~			20			
		11		2			70		5.3			~	0			2			76	ام!			3			
		11	·	82			22		5.5			~	0			33			7	^			7			
	5 //	11		2			71		53			~	7			38			~	1			2			
13   13   70   53   30   33   34   10   11   10   11   10   10   10   1		-		600			20		25			~	3			37			1	7			9			
1		/3		83			20		53			~	a			33			4	7			18			
	8	"		2			70		55			7	2,			39			1	7			10			
3		(3		3			72		5.5			3	9			37			7	4			مد			
113 84 55 55 38 33 22 113 113 113 113 113 113 113 113 1		13		85-			20		-2.2			8				35		·	7	٨			18			
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33 33	2 //			108			22		5.5			4	6			3/			^	4			20			
	3 //	,3		S.			12		5.5			8	3			33			٧	7			3			

19 61

Month August

Station Byrd Station, Ant. Lot. 80.0 S Long. 120.0 W

MONTH-HOUR VALUES OF RADIO NOISE

Fam = median value of effective antenna noise in do above ktb
Q\_m = ratio of upper decile to median in db
D\_g = ratio of median to lower decile in db
V<sub>dm</sub> = median deviation of average voltage in db below mean power
L<sub>dm</sub> = median deviation of average logarithm in db below mean power

Frequency (Mo)   Freq				* E	0		0	1/1				15	3.5	5.0	3.5	0	4.0	0	0		4.5	3.0	5	12				3:5	
CONTH-HOUR VALUES OF RADIO NOISE   Station   Cooks Australia   Lot 30.6 S. Long 130.4 S. Month   June   20.0 Month   June	12			¥ E			the same of					==				_						0		12				72	
CONTH-HOUR VALUES OF RADIO NOISE   String   Cooks Australia   Left 30.6 S Long   130.4 S Month   June   20.3		, ,					نقت	Ŷ				(c)	الناف				يتنفن			Ę	غصننا	3	~5						
CONTH-HOUR VALUES OF RADIO NOISE	_		0	70	0	0	~		9	0	_	~	٦	~	7	2	~	0	~	٦	9	2	~	્ત	1	0	0	0	
CONTH-HOUR VALUES OF RADIO NOISE   Station   Cooks Australia   Left 30.6 S Long   130.4 E   Month   Left 10.0 Cy Vam lam   Can			2	P	0	0	0	0	0	0	0	-	4	-	7	-	7	7	ベ	4	4	4	_	0	0	0	0	0	
CONTH-HOUR VALUES OF RADIO NOISE   Station   Cooks Australia   Left 30.6 S Long   130.4 E   Month   Left 10.0 Cy Vam lam   Can	nue			Fam	23	23	23	2	2	ಇ	7	23	23	23	7	76	73	j	23	23	23	23	23	23	23	3	5	5	
CONTH-HOUR VALUES OF RADIO NOISE   Station   Cooks Australia   Lat 30.65   Long, 130.4 B   Month   Final board of Late   Lat 30.65   Long, 130.4 B   Month   Late	ام				7.5			0	0						=			=			72	0	=					দ	
Fig. 0.13  Fig. 0.13  Fig. 0.14  Fig. 0.15	÷			- <u>1</u>				*2		* 5					+17	12	*~				0	***			*2	47			
Fig. 0.13  Fig. 0.13  Fig. 0.14  Fig. 0.15	Non			N <sub>Q</sub>		4%	42	*~6	*7	7-M		*~						*~4						m					
Frequency (MC)  Find by O. 2 Van Van Can Can Can Can Can Can Can Can Can C			0		9	7	e	7	9	0	2	7	72	-3	00	7	7		7	9	7	7		W	2	2	و۔	~	
Frequency   MALUES OF RADIO NOISE   Station Cook, Australia   Lot, 30.6 S   Long, 130.	4		_		00	0	e	4	7	٥	0	9	7	80	12	00			0	1	7	00	7	90	0	0	00	0	
Fig. 0.13 (NOTH-HOUR VALUES OF RADIO NOISE Station Cooks, Australia Lot, 30.6 S Long, 10.10 (NOTH-HOUR VALUES OF RADIO NOISE)  Fig. 0.13 (No. 1) (No.	30.			F C	35	35	35.	35	34	33	3	31	30	27	39	25	77	42	50	33	37	37	30	35	35	37	37	35	
Frequency (MC)  Frequency (MC)				E:p	١٠,	7.0	3.0	3.5		٦.	1.0	7.0	15,	1,5,	15.	ين ا			1.0	0.9	1.0	3.0	0.//	0	2.0	0.0	1/2	0.	
Frequency   Mol.	ong			E G	1,0%		0	15.	72	1000	10	15		12	9	0	12				10.			0				12	
Frequency   Mol				> >				وأنان				انتفا		7	_									}					
Fig. 10.13   Cook, Australia   Ldt.   Cook, Australia   Cook, Australia   Ldt.   Cook, Australia   Cook, Australia   Ldt.   Cook, Australia   Cook, Australia   Ldt.   Cook	9.		น																										
Fire   0.13	30															_		+		_		_							
Fig. 013	to.			l l		_	50			-			==					_			_	40	2	7	Married Street, or other Designation of the last of th		_		
ONTH-HOUR VALUES OF RADIO NOISE   Station Cooks, Australia   Station Cooks, Australia   O13   Station Cooks, Australia   O14   Station Cooks, Australia   O15   Station Cooks, O15   Station C				Ldm	* 200	6.5	9.0	0.0	7.5	8.0	*001	46	7.5		4.0	*15	45	47.	47	* 3	7.5	145	130	* 3	11.0	+0	oii o	75,	
ONTH-HOUR VALUES OF RADIO NOISE   Station Cooks, Australia   Station Cooks, Australia   O13   Station Cooks, Australia   O14   Station Cooks, Australia   O15   Station Cooks, O15   Station C				Vaim	+ 2.5	4.0	5.0	4.5-	15.	5.5	F . 5	6.0	7.5	* 1/2	*₩	7 m	3.0	**	かっ	+00	6.0	ta:	2625	ور	0.0	75	7.5	3.	
ONTH-HOUR VALUES OF RADIO NOISE Station Goods   Cooks   Cook	alia		5	20	~			_			4					00				L <sub>2</sub>	29	01		1~	12			7	
ONTH-HOUR VALUES OF RADIO NOISE Station Goods   Cooks   Cook	str	S	2		2	-9			9/	-	7	~	~	0	0	į,	9		0	7		30	_	_	0	00	00	00	
Frequency  Frequency  Fina Dou De Vann Lam Fan Du De Vann Lam Fan De Vertical Lam De Vann Lam Fan De Vertical Lam De Vertical La	Au	2																h	ィ				7			d	3	e	
Fam   0.13   1.051   1.051   1.051   1.00   1.000	k,	ج		F							2							=			7		7	3	5	2		-	
Fam   0.13   1.051   1.051   1.051   1.00   1.000	ů l	enc		الد ق	13	2	7	4//				+ 3		410		* 15°	+ 3				10.	7.	1.4	* J.	* 5	* (3		+3:	
Fam   0.13   1.051   1.051   1.051   1.00   1.000	o U	edn		Vdn	7.5	7.0	5.5	+10	*5.	*1.		* 77	* ~	+3	6.4	*~	*~	+3	برب در	20	0.0	7.5	+0,	10.5	*	to	6:	100	
Fam   0.13   1.051   1.051   1.051   1.00   1.000	tati	L.	545	70	7	2	7	3	~	7	9	L.	4	1	1.	e	9	18	Q	1	01	00	0	و	e.	7	3	1	
10NTH-HOUR VALUES OF RADIO NOISE  Fam Du D. Vam Lam Part Du D. Vam Part Du D. Vam Part Du D. Vam Part Du D. Vam Lam Part Du D. Vam Part	()		4		00	10	00	3	0.	2	3	0	47	12	7	2	7	6	00	1	2	0	4	Co	00	a	9	00	
10NTH-HOUR VALUES OF RADIO NOISE    1.013				E S	Q.	2	3	20	2	2	00	17			20	10	2-2	25	20	15	=	2	'n	20	7	2	3	2	
10NTH-HOUR VALUES OF RADIO NO    O13	Ш			-								9.		0	0		سيسبن					_		=					
10NTH-HOUR VALUES OF RADIO  Fam Du Du Vam Lam Form Du Du Vam Lam Form Du Du Du Du Vam Lam Form Du Du Du Du Vam Lam Form Du	SS			LE LE	2/0	10	1,0			*0			12 15.	10:	* 0			700	+ 0	+1/2		+~	رج <u>م</u>	116	7	7	-5/	0	
10NTH-HOUR VALUES OF RADIO    ONTH-HOUR VALUES OF RADIO   Fam	ž			P <sub>A</sub>	0	2	00	1				400	* W	×1.			*2.	in			صد			0/	000	150		00	
CONTH-HOUR VALUES OF   Common   Commo	0		09		٦	W	2	*	ď			00	2	00		_	4		3-					7	'3	7			
CONTH-HOUR VALUES OF   Common   Commo	A		4				_			1		7								16	4	17	1	12		0 /		- 1	1
MONTH-HOUR VALUES OF  Hour Fam Du D2 Vdm Ldm Fam Du D2 Vdm Ldm  OO 155 2 3 3 80 115 126 5 4 85 30  O2 155 4 2 70 115 126 6 2 90 155 30  O3 154 5 2 80 125 126 7 4 85 30  O3 154 5 2 8 70 110 126 6 2 90 155 30  O3 154 4 1 80 120 126 4 4 7 80 125 30  O5 154 4 1 80 120 126 4 2 80 125 30  O6 154 4 2 25 104 13 2 4 25 120  O6 154 4 2 25 104 13 2 4 25 120  O6 154 4 2 25 104 13 2 4 25 120  O6 155 4 2 2 90 145 110 13 2 80 125 20  O7 154 2 2 4 15 175 170 104 13 2 135 20  O8 150 4 3 90 145 110 13 2 135 20  O8 150 4 1 10 15 170 124 8 125 20  O8 150 4 2 15 175 110 12 8 4 125 20  O8 150 4 2 15 175 110 12 8 4 125 20  O8 150 4 2 15 175 110 12 8 4 125 20  O8 150 4 2 15 175 110 12 8 4 155 185 185 185 185 185 185 185 185 185	2			Fam		10>	103	103	101	101				65	65	67	63	20	62	67	2	$\mathcal{Z}$	1/2	43	25	99	101	101	
MONTH-HOUR VALUES COINTS AND DELLO DE VAINT OF 15 AND DELLO	L.			mp-	3.0	13.0	5.5	14.0	3.5	12.5	2.5	3.0	3.0	5.0	7.5	0.70	20.0	18.0	18:51		6.0	16.5	* 15 2. /s	9.0	150	5/11	5.	17.5	
MONTH-HOUR VALUES  MONTH-HOUR VALUES  ON 155 2 3 20 115 126 7 4 8 9 155 126 7 4 8 9 155 126 7 4 8 9 155 126 7 4 8 9 155 126 7 4 8 9 155 126 7	0			d:n	15.	7.5	20/	3.0	0.	0.8	75.	0.0	0.0	15.	75.5	35	13.5	1.5,	100	2.0	0//	2.0	7.0	157	,2,	72.7	0	1.0	
MONTH-HOUR VALUITY    Solution   Continue	S			170											7	3	* 7	* `			e	1,5	00	3	7	3	7	7	•
MONTH-HOUR VAIL  POUT Fam Do DA VAm Lam Fam DO 155 2 3 3 60 115 126 126 126 126 126 126 126 126 126 126	Ę		05]	_				_				==						-					- 1			00		-	
MONTH-HOUR (1)  The Hour Fam Du Du Vam Lam Pam Du	Ø		•	0				_						1 7				9			-			1			-	-	ĺ
MONTH-HOUR  (15)  (16)  (17)  (18)  (18)  (19)	7			T <sub>o</sub>		7		7	-75	7		11	1	10	101	10	0	+=	1	~	1	-	- 3	1	2	2	2	7	94.
MONTH-HOUT (13)  (13)  (14)  (15)  (15)  (16)  (17)  (17)  (18)  (18)  (19)  (	民			Ldm	11.5	11.5	07/	12.5	11.5	0.01	11.5	11.0	14.0	14,5	15.5	17.6	+ 20	*00	17.5	15.5	140	13.0	13.5	13.0	13.0	12.5	s://	11.5	**
ПОN ТН-Н ПОN ТН-Н ПО 100 103 1654 4 1 1 10 150 2 1 2 1 2 1 10 150 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ಠ			Vdm	20%	3.	2.0	0.8	7.5	8.0	75	2.0	0.	9.0	40.01	1.5	10.5	1.0	11.5	10.0	0.0	0.0	5.5	500	2.00	0.0	75,	35	Ì
(LST) HOUN (LST) OO 155 2 4 4 4 4 6 155 2 4 4 4 6 155 2 4 4 4 6 155 2 4 4 4 6 155 2 4 4 4 6 155 2 4 4 4 6 155 2 4 4 4 6 155 2 6 1 6 155 2 4 4 4 6 155 2 6 1 6 155 2 4 4 4 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 155 2 6 1 6 1 6 155 2 6 1 6 1 6 155 2 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	+		13	70	-	Μ	4	٦	_	_		7	76	N	7	7	7			والأثاث	4	7	7			3	~	4	ĺ
MON (LST) Hour (LST)    10	I		0.	_	3	~	4	15	7	3	٠, ٢				7	76	2			7		3		2					- 00
В 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Z					29				t .					_			10							2,5				
	M	(10	7) ,			1 / 5		3 /		5 /		==							4/5					_	/		2/.	3 1/3	-
		123	"		0	٥	0	0	0	0	0	0	0	0	لظ	ا			-						0	2	N	2	

 $F_{Qm}$  = median value of effective antenna noise in db above ktb  $D_{u}$  = ratio of upper decile to median in db  $D_{s}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

			*E	0								3.5	8.0	4.0	0.5	3.5	3.5	4.0	7.0		4.0	4.0	4.0	4.0	4.0	0	0	
			Vdm Ldm	2.5 4.0								~ ~	9	2	4							3		10		2.5 4.0	2.5 4.0	
19 61			<b>P</b>	<b>€</b> 20								2.5	5.5	7.5	٦. ٢	2.5	3.5	4.0	2.5		15.	2.5	3.0	2.5	13.5		~	
		0	7'd	~	0	0	d	1	0	0	0	0	ヾ	্ব	16	ィ	0	0	べ	જ	0	~	~	~	1	٦	ょ	
- 1		20	Du	0	0	0	0	0	/	0	9	7	~	0	~	0	γ	3	0	7	~	~	~	0	0	0	0	
July			Fam	h۲	hr	20	2.4	57	~~~	22	27	77	42	べ	7	7	1	27	44	74	24	4	بنو	24	7	44	7	
5			1L Y E									-	=	==			-	===	=									
ا ج			Ldr	5.5	3.0 5.0	4.5	3.5	4.5	3.5 2.5	4.5	5.0	4.5	5.5	5.0	12.0	4.0 6.5	80	5.0	5,0	7.5	8.5,	15.0	6.0	4.5 6.0	2.5	3,0	3.5 5.5	
Month			De Vam Lam	3.5	3.0	3.0	4:0	3.0	3.5	2.5	3.0	2.5.	6.5	3,5	0.	4.0	6.0	3.5	3.5	0.9	4.5	3.0	3.5	4.5'	3.5	3.0	2.5	
Ž			DE	7	~	5	W	~	4	4	8	3	7	η	00	~	7	7	3	へ	8	4	4	4	4	M	η.	
耳		10	Du	7	د	لى	7	7	٦	m	5	00	-2-	8	000	1	13	11	6	00	15	$\sim$	ィ	7	4	べ	7	
130.4			Fam	37	35	35	33		31	_	99	27	250	752	72	~	2	23	27	33	35	37	37	37	37	37	37	
130		_	n Fo	=				3,		- 3,			_	_				==	_		=		_		=	==	~	
			Vdm Ldm	90	4.0 6.5	7.5	8.5	6.9	7.0	4.5	4.5	4.5	6.5	4 4	14	6.5	4.0	\$.0	4,5	7.5	15.	11.0	\$0.5	509.0	5:0 4:0	8.5	7.0	
٥ ا				5.0	4.0	* 3	5.0	5:5	4.0	3.0	5.0	6.0	. 4.5	7.5	+4	*~	7.5	£ω, 12	*~;	5.5	4.5	200	5.0	45	413	4,0	4.0	
N N			70	7	7	~	7	2	4	7	7	9	00	9	8	10	34	01	9	00	9	4	9	3	9	7	7	
30. 6 S Long.		5	Du	6	2	7	9	9	6	9	200	>	4	00	7/	N	01	0/	15	7	6	5	7	4	2	7	72	
			Form	15		49		49	49	47	3	1	13/		2	25	ارد	75		196	14	45		53		2	115	
j.			T <sub>O</sub>		- 49	==	64				143	6	-	23			1	-	5	7			15	=	53			
			Ldn	8.5	6.5 10.5	7.5	8.0	9.0	8.0	4.0	6.0	18.0	*5		\$ 0.5	6.0		5.5	4.0	7.5	30	# 11.0	10.5	6:0	8.0	1.5	35	
nt .			Vdm Ldm	4.5	5.9	4.5 7.5	0,7	5.0	5.0	4.5	5.5	13.0	#₩.		*5.5	30		30	4.0	5.5	\$0	7.0	6.5 10.5	5:0	4.0	5.0	4.0	
alta		2	70	7	4	3	~	7	4	~	00	4	~	7	ィ	~	4	e	2	4	7	10	00	3	3	7	4	
60 41 41	3	7	Du	00	9	-0	2	2	0	14	00	01	え	8	00	6	6	9	6	13	/3	-9	-	7	7	0	00	
Ψ	(Mc)		Fam C			-9					44	1 pre	000	240	2	2	7	8	100					.0	3.	25	74	
Station Cook, Australia	_	-		52	12.5	15	5.4	374	3	8/1 0				かく	24	44	44	38	_	کد	3	1/2	86	50	53		5	
Š	Frequency		De Vam Lam	11.0	6.0 10.5	11.5	* 0	10.0	19.0	14.0	6.5	**	5.0	* '9	6.0	15.5	5.5	4.5	6.0	6.5	<b>*</b> ///.5	なった	* /0.5	10.0	11.0	5.0 10.0	6.0 10.5	
Ę	3		Veh.	5:5	6.0	6.0	¢.0	2	5,5	8.0	*15	*\\	ال * ك	40	3.0	¥ ∂.0	3.0	3.0	40	3.0	3.0	5.5	* C3	13	5.0	5	6.0	
e i	Fre	5	70	9	7	5	4	5	و۔	10	12	7	7	て	~	7	4	7/	5	00	00	9	7	4	7	6	4	
ফ		545	مَ	7	7	ری	7	9	0/	16	17	70	77	7	~	3	4	0/	7	10	9	8	0	00	9	7	00	
									_		1 11	do o	_	1 /2				_	3		70	4	16	28	80	000		
til.			D. Vdm Ldm Fam	2	80	80	86 -	00	78	10			3	54	153	50	57	50	43	573		2	_			_	80	
NOISE			Ldm	7.0 12.5	7.0 12.0	12.0	6.0 11.5	12.0	13.0	13.0	15.0 20.0	0.//	0.0	6.0	5:5	6.0	40	1/.0	8.0 14.0	10.0 18.0	12.5 18.5	12.5 20.5	17.5	7.5 145	80 145	12.5	5.5 11.0	
9			Vdm	2.0	2.0	65	6.0	2.0	7.5	6.0	15.0	90	4.0	1.5	*w.	3.0	* 2.5	9.0	200	10.0	2.5	12.5	6 95	7.5	6.0	2.0	55	
_		09	70	~		7	9	9	15	0	00	2	7	7	7	~3	ک	7	C	7			9	5	+	4 7.0	2	
읒		7	Dů	4	5	~	~	5	7	9	00	61		8	11	و.	81	8	10		14/	13	7	2	9	7	1	L
¥				63	_					66			3 14					67		4 8.5 14.5 67 20	3		_				5 5	44.7
Œ			Dr Vam Lam Fam		8.0 12.5 101	101	7.5 12.0 101	101	99		11	63	63	73	13.0 20.0 69	17 0.6/0.01	20	9	9.0 14.0 65	9	83	89	93	4 8.5 135 97	10.0 155 97	4 7.5-12.5 99	2 90 140 99	ľ
H.			Ldn	8.5 135	Š	12.5	3	2.5	11.5	13.0	8.5 12.5	8.5 14.5	11.0 16.0	19.5	20.0	19.0	18.0		14.0	14.5	15.0	18.0	15,5	13.5	15.5	SC	14.6	4
			Vdm	5.5	0.0	7.5	7.5	7.0 12.5	7.0 115	7.5	5:8	15.	11.0	12.5/19.5	13.0	12.0	12.0 18.0		9.0	15:0	9.5 15.0	11.5	9.0 15.5	51)	10.0	75.	20	-
ES		-	70	7	n	4	=	4	75	~	6	m	1	٦	7	4	14	4	7	4	1,2	6 11.5-18.0	7	7	+	7	4	3
2		051	Du	7	7	ત	٦	7	4	9	3	00	1	00	2	5		00	4	2	7	<i>&gt;</i>	2	7	5	7	7	
Ø			۵											_		5	0	_					_		_		2	i
			n <sub>o</sub>	3	3	7	7/	10	1	2	1		0/	10	1	1	110	1		1/	(/)	1	7	7	Ì	3	3	140
民			Ldm	0.0	2.5	125	13.0	0.07	12.0	13.0	0.41	12.5	14.0	15.5	16.5	18.0	17.0	16.5	140	13.0	13.5	0.0	13.0	12.0	12.5	12	3	1
ಠ			Vdm	45 12.0 lay	7.5	75 125 126	2 8:0 13.0 126	de 12.0 126	7.5	7.0 12.0 134	7.5 12.0 118	7.5 12.5 111	901 14.0 106	801 231 0.01	11.0 16.5 110	1,5	11.0 17.0	10.57	85 140 110	8.0	85 135 111	7.5- 12.0 114	7.5	20 12.0 122	8.0 12.5 44	8.0 125 124	2.0	7
I		3	DK Vam Lam Fam	M	461 2.4 27 2	~	7	~	2 7.5 12.0 12b	な	W	7	4	~	7	a 115 180 110	7	2 10.5 16.5 110	7	4 8.0 13.0 110	7	7	2 75 120 120	イ	9	4	2 7.0 12.0 124	- Jan
I		013	na	0	~	7	_	7	~			7	n		4	3	η.	76	4	~	76	7	ィ	~	0	4	4	diam
Z			۵		1	1		7.5	_																			
MONTH-HOUR VALUES OF RADIC			m <sub>P</sub>	h51	h51	154			154	154	H21 20	150	150		150	150	150	150	150	53/	1,52	150	52/	20 154	158	22 154	23 154	u
2	(T2	ג (ר	noH	8	ō	8	03	04	02	90	07	80	60	0	=	12	13	14	15	91	17	-8	6	20	2	22	23	

 $F_{\rm DM}$  = median value of effective antenna noise in db obove ktb  $D_{\rm u}$  = ratio of upper decile to median in db  $D_{\rm Z}$  = ratio of median to lower decile in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of overage logarithm in db below mean power

USCOMPANIES - BY

			* E							ن	٧,	0.5		0	5.0	10	10.0	0	10.0	5	4.0	0%					
61			Vdm Ldm							5.6 13.5	3.0 5.5	3.5		3.0 5.	3.0.5.	3.0 5.6	8:0 10	5 %		4.5 6.5		4.5 4					-
6			D. Vo			~		~	0	5,		3	1	6	S. W.		Ò	2.4.5	17.0	6 4	0 3.0	0	0	0	0	0	
		20		0	0	8	~				0					~		7	7		_				0		9
ust			n Du	0	0	0	0	0	~	7	~	7	7	~	~	2		2	7	7	~	7	4	0		0	0
August			Fam	24	7	7	44	44	7	7	7	25	he	22	~	20	<u></u>	74	1	25	3	7	7.4	770	74	40	40
			Ldm	40%	6.5	8.0	40	* 6	* 19	6	6.0	6.4	4.0	40	+00	4.0	0.8.0	4.5-	* 0	400	3.	4.07.0	to 6.5	+00	8.0	6.5	9.0
Month			De Vam Lam	40.9	4.0	* 5.5	43	* 3	# M	4.5	4.0	+3	4.5	0.	+ 12	4.5.	*,2	77	¥°5	300	0.0	4.0	13.	5.0	5.0	45	0.2
Ž			DE	7	8	3	3	4	4	7	~	I	3	7	~	7		~	4	~	4	9	3	1	7	7	2
田山		10	Du	7	-9	~	4	2	7	~	7	~	17	~	7	7/		7	9	3	7	3	7	4	ή	٦	8
130.4			Fam	B	37	38	37	32	33	33	35	3,	27	155	52	75	150	27	3,	35	39	040	13	1/2	17	14	41
			Εþ	10.5	8.5.	9.0	0.6	15.	0.	6.0	* 5.5.	المريخ المريخ	0.9	0	0.0	0.0	40	٠٠, ١٠,	+15.9	4/35/	7.5-	1.51	4/1.0	10.0	10.01	7.5	11.5
Long			Vdm Ldm	2.5	5.0 6	£0.9	6.0	5.5 9.5	5.5- 9.0	* \	1×1/8	4.0 %	4.0	47.0	* -51	8.5 100	77.8	*4	+3.	10:	6.5	20.	7.0 /	50.	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6.0	7.0 //
			DEV	2	7		2	4	*~	<u>+^</u>	47	42	2	7	12	7 20	7	*(1)	2	2 ta	7	2	6	7	5	e	c
30.6 S		5	Du	2	0	2	2	7	و	7	7	9	6	و۔	5	6	2		6	75	00	0/	2	2	9	00	9
			Fam D	64	61	55	50 1	49.	47 (	47 1	39	2	201		~	1	7		74	150	41	154			57	.~	15
Lat.		-		==	-	9.5 4					~		20.5	2	7			+7	0.	0			53	53		5	5
- 1			Vdm Ldm	/0.0	10.0	-	0.6	9.0	2.60	*0.		6.0	اختالها	* -2	4.5	500	5.0	400	* 13	1.13	400 12	4.0	5 150	0.// 5		2.11	0.110
lia				0.	4.0	5.5	6.0	5.0	6.0	* 'S		<del>+</del> ~;	40	ادام	43	* 2	Z 4	+4	*3	× 20	64	1,0	9.5	* \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	6.0	6.9	6.0
Australia		ĸ	Ja .	m	2	2	3	3	2	7-	~	^	_^	~	4	ょ	_	1	7	٠,	4	3	7	12	7	7	2
Aus	(Mc)	2	Du	9	7	0 /	77	0/	1	7	χ,	9	0	7	2	00	0		9	18	2	14	7	11	5	6	00
			Fam	54	5.4	57	S	いか	5.0	85	33	7	00	~	3	77	1	7	7	44	30	44	49	7	25	55	32
Station Cook,	Frequency		Vdm Ldm	13.5	12.0	10.0	0.6	7.0 14.0	\$.×		* 5.5		4.5.	4.0	+ 2.		*4	7.0		S	10.0	10.0	4/3.0	8.5	13.0	12.0	*3
Ę	due		Vdm	5.5	* 8.0	75.5	5.0	3.0	* /5:5		3.5		\$ °C.	* چې دي. ح	* X		* '8	13		30	· × '	30	0.0	5.0	6.0	3.0	20.
tați	Fre	r.	10	9	3	7	9	2	+	10	7	7	(2)	11	14	~,		Ö	4	2	01	00	2	9	3	5	7
S		545	۵	00	0	00	00	1	11	23:	7	00	00	2	$\sim$	7		Oc.	10	15	01	5	4	7	00	00	10
			Fam	79	22	17	27	66	73	55	43	7	7	3	57	5.7	5	5	43	45	12	3	22	29	18	66	
ΣĘ				125	12.5	3.0	12.51	0.0	13.0	13.0	2.8	205	-S.S.			٠ <u>٠</u>	1,4.0	400	13.5			3	_	13.5 79	13.5	13.0	8.5 14.5 79
NOISE			DZ Vdm Ldm	2.0 16	7.0 1	8.0 /	7.0.1	8.0 13.0	8.0 10	* 0.8	4.5 4	170%	* 5. 2. 5. 4	5.0 7.0		40%	+1	15.0	* - N	10:	14.01.7.5	/3.5	110 19.0	7.0 /.	8.0 /	7.0 %	12,
Z			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0	6 7	00	6	20	7	* %	7 4	41	4.00)	; S, <del>*</del>	~	400	100	40.	¢ >	10	10 10	_/_	1/2	00	7 8	6	2
9		160	Du [	9	9	2	00	2	So				2	, 6		9	1.2	1	7	9,	16 1	/3	~	00	9	0	
ZAE			Fam D	86	98		86	86	3 46	h ho	2 9	01/10	79	66	2 2		70/	ļ				1 68	_	96	98	86	8
L			_				135 9	_			80 13.0 69		3	-5		5		0 70	12.0 17.0 68	10.0 15:0 69	2 28		5 90				9.5- 15.51 98
Q			De Vem Lem	8.5 M.O	7.5 12.5	7.5 12.5	2/2	135	8.0 N.S	0.41	5)	0.410	13.017.0	13.5 20.5	12.5 18.0	13.6 20.0	13.5 21.0	12.0 19.0	0 17.	0/5	12.0 17.5	135 19.5	13.5 18.5	10.0/16.0	8.5 14.5	0.410	1/2
S			Vdr		7.5	1	2.5	8.5		8.5,	9.0	0.0	* E)	/3.		73	43	+4	4 78				3			0.0	
H		051		1.0	٠	~	7	2	~	7	~	2	٥٥ ـــــ	0	~	ام	0.	7	9	,2	0	4	0	4	· ~	7	~
A			o o	7	7	ζ2	7	12	00	2	9	3	00	7	2-	9	2	01	00	4-	2	00	0	6-	0	9	2
>.			Fa	124	45/	45	म्र	124	3	77/	114	011	801	101	701	100	011	011	0 11	109	0//	114	811	44	3	727	7
民			D. Vdm Ldm Fam	7.5 12.0	45 11.0 124	70 120	85 13.5 124	12.5	8.0 13.0 122	13.0	7.5 12.5	* * *	10.0 15.5	10.0 16.5 108	12.0 17.0	11.0 16.5 109	4 * 18.0	100 /6.5	15.0	90 150	13.5	8.0 135	8.5 14.5	9.0 13.5	2 8.5 13.0 122	0.0	12.0
₹ Q			Vdm	7.5	6.5	3.0	25.	7.0	8.0	8.0	7.5	,'A	10.0	10.0	0.0	11.0	* 11.5	100/	+0.	2.0	8.0	8.0	5.0	0.6	5.8	75	7.5
+		.3	70	~	4	٦	7	γ	~	7	4	7	~	4	2	1,	4	7	3	2	9	~	~	7	7	7	7
F		.013	no	~	4	7	2	4	76	7	7	7	4	7,	7	7	7	7	٦	76	7	9	2	7	7	2	~
MONTH-HOUR VALUES OF RADIC			Fam	152	75	152	3	(52)	5.5	7.5/	150	8/11	8/11	841	0 hi	87:	9/1	148	150	10.5	150	148	150	20 157 4	152	15.2	23 152 2 4 7.5 120 122 C
Ž	(TS	7) 1	noH	00	10	02	03	04	05 152	90	07	08	60	10	=	12/	13 /	14	15	16 150	17	-8	6	20	21	22	23/
																		-						-0		.0	

 $F_{Qm}$  = median value of effective antenna noise in db above ktb  $D_{u}$  = ratio of upper decile to median in db  $D_{\mathcal{R}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voitage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

0	E	T	MONTH-HOUR VALUES OF RADIC	3	>	ALI	JES	6	F	RA	DIC	Z	NOISE	ليا		Stati	noi	Enk	ig	S, Sw	eder	اء	Lat.	•	.51	59.5 NLong		17.3	闰	ğ	Month	June	16	_	19 61	
														F		F	edn	Frequency	1	(MC)			-									F				
		0	. 013				.051					160				.495	35				2,5		-		5	-				10	Ì			20	0	
	Fam Du		DA Vdm Ldm Fam	L-dm	Fam	Du	70	Vdm	De Vam Lam Fam		Da	7 7 Q	DZ Vdm Ldm	Fam	n u		/dm	De Vam Lam	Fam	n <sub>Q</sub>	De v	De Vam Lam		Fam Du		Dr Vdm	Vdm Ldm	Fag	۵	70	Vdm Ldm		Fam Du	70 1	up/	Vdm Ldm
	9 hs/	W	_	16.5	10.0 16.5 128	8		10.5	7 10.5 16.5	107	7	w * 1	40 %	0 82	2	1	* °	3.0	63	10	* C	7.0 1.	12.0 5	59 4	I	5.0	8.5	45	B	7	5.0	0.6	17	0	1.5	3
	154 5	7	9.0	14.0	9.0 14.0 126	00	e	6 10.0 16.5	16.5	101	ر,	3	8.0 14.0	0 75	2/10	00	9.0	14.5	19	5	5 7	7.5%	13.0 5	5-9 5	5	* 65	8.0	45,	2	9	4.5- 1	7.5-	2	7	1.5	25
1 .0	154 3	~		16.0	KK1 0.01 0.01	و	7		11.0 16.0	101		5- 16	10.0 16.0	.0 63	3 18	7	4.0	6.5	54.	\ <u>\</u>	8	11,5.9	11.5	27 4	4	4.0	7.5	45	t	2	4.5	8.0	7 /	4	1.0	30
1 ,4-	2 451		3 10.0 15.0	15.0		120 10			11.0 16.5	68	18		8.5 14.5	5 56	6 25	1	6 x	*00	49	~	4 9	8.0 13	13.0		7. 6	9.6	7.5	45	~	2	4 0 0 0	0.8	1710	~	1.0	2.0
1 3	152 4	~	10.5	10,5 17.5	120	9	6	12.0	12.0 19.0	82	17	10 6	6.5 /5.	15:5- 55-	5-17	2	4.0	6.0	14	15	*1)	* 5	5:0 4	45- 6	7 9	*-0	*0.	45	15	1	* 15.4	7.5- /	16		1.5	3.0
1 16	152 4		4 12.0 18.0 118	18.0	811	00	-	13.5	13.5 21.0	80	6	10	9.0 16.5	52 2	5 31	7	6.0	2.0	37	0.	10 8		12.5 4	43 b	00	4.0	6.0	44	η	7	\$ 0.5	8.0	751	0	1.5	3.0
15	7	-		18.0	11.5 18.0 118		4	14.5	145 22.0	18	15	5, 4	40 6.5	5 53	3 20	~	4.0	6.0	35	15	8	7.5- 8	15.00	39 8	8	7.0	10.5	42	و-	8	10.0	1011	17 3	7	0.7	3.0
152	7	1	4 120175 117	17.5	117	2	10/	10 14.5 20.5	20.5	19	74	7	3.0 4.5	5 55	5 /3	7	4,0	4.5	3/	14	4 7		12.0	36 /	6 1	6.0	9.0	39	S	ζ,	8.5	11.5-11	7	7	8.0	3.5
154	#	72		19.5	13.5 19.5 120	12	2	15:0	15:0 22.0	23	13	00	7.0 10.5	5 57	816	1	e's	13.0	50	01	1	1 -5	6.0	35 8	2	* 6.	9.5	39	9	9			18	6 3	5.0	45
154	9	70		+ 0.0	4 to 19.0 124	7	00	+	8 13.5 20.0	2-1		2	+00.9	8.0 57	7.7	1/2	+4	+15	33	14.	6	0	7.0 3	35 10	0 6	, s. 9 6.5,	10.0	14	12	5	7.5	1.0 //	19 6	7	12.5	- 5:5
158	7	9	-	19.0	12.0 19.0 128		00	1.5,	11.5 19.0	3	16	4 7	W5 220	0 65	5 20	1	120	76.5	32	9/	+ 2	5.0 0	10.5- 3	34 15	15 5	8.0	* 4.5	20	9	7	6.0	9.0	19	7 4	2.5	4.5
	1606	7		18.0	11.0 18.0 132		So	9.5	9.5 16.5	103	0/	1/6/	11.5 18.5	5 67	720	7/	150	4.0	33	7	*2		12.0 3	39 6	6 12	2.0	12.0	14	3	1	* 0.5	8.0	19 5	5 4	* 8	* 3.
	162 5	9		16.0	9.5 16.0 134	5	11		11.0 17.5	105	/3	¥ 61	13.0 19.0		79 12	حكم		13.0 19.0	,s,	00	7	70 10	0.0 4	43 6	6 13	3 % 2		130 42	2	e	47.0	*5.5	7 10	7	2,0	0.6
1 0	1 491	2		9.5- 16.0	134	00	9	=	10.0 16.5 109	109	8	24 4	4.0.6	18 5:51	8 1	24	10.0	19.0	40	14	10 5	\$5.0.2	75.	47	3 16	6.0	10.5	143.	7	9	4.5	7.5.	, 61	7	<u></u>	5 4.5
164	4	9		15:5	9.5- 15:5- 136	6	0/	2.01	10.5 16.0 109	601	00	70 /	0.9/ 10.0/ 00	0 78	9/8	77	40	17.0	39	14	6	7.0.10	13.0 4	5 44	6 6	5.0	0.0	43	12	2	* 2	_	1 61	7	2.5	50
- 17	163 5	4		150	9.5 150 135	9	10	9.5	9.5- 15.5	101	10	22/	10.0 17.0	180	6 1	3	10:	16.5	43	15	106	6.0 /1	10.5 4	7 64	4 16	5.50	9.0	46	7	7	47.	8.0	61	7	1.5	3.5
)	163 5	5	9.5	15.5	4.5 15.5 134	00		10.0	15.5	6 10.0 15.5 107	~	22 10.0	3.0 %	\$6.01	14	133	10.0	18.0	45	16	5 11	5.5	8.0 4	164	6 14	1 5.0	0.01 0	49	ħ	7	£ 7.	8.0	19	2	30	4.0
762	4	5		4/6.0	to.0 16.0 134		8	11.0	11.0 18.0 103	103	7	* 61	19 12.0 20.0	20 73	3 18	18	15.	16.0	43	0/	10 3	12.5	6.0	1.5	9	12 5.0	9.0	64	~	<u>ر</u> م	\$:0	00.5	7	3 4	ř	0 35
162	7	00		16.5	10.0 16.5 130	7	9		11.5 18.0	66	14	141	14 11.0 18.0	69 0	6 19	13	0.01	17.5	Sh	0/	4	40 6	6.0 5	55 5	12	9 5.5	5 9.5	.51	1,2	7	*2:	15.	170	7 4	0.0	4.0
-9	160 2	7		16.0	11.0 16.0 128 10	10	9	11.0	11.0 18.5	95	18	16	10.5 19.0	69 0	9 15	6	9.5	12.5	49	10	00	7.0 /	10.0	555	9	6 5:0	0.6	66	7	7	4.0	7.0 2	14	7	2.0	4.0
100	15% 2	7		15.0	10.0 15.0 126	0	2	10.5	16.5	93	18	9 //	8.0 13.0	69 0	9 15	2	* %	13.0	53	00	9	5.0 8	6.0 3	57	9	6 5.0	0.0	64	7	4	5.0	0.6	19 4	7 3	2.5	4.0
19	4 951		3 9.0 14.0 124 10	14.0	104	0/	4	11.0	1/40	66	3	8	8.0 14	14.5 77	2 10	9	7.0	10.0	5.6	9	00	5.5	9.5 6	60	η η	3 4.0	0.60	49	4	7	5.0	9.0	61	2	2/ 7	200
- 10	h 951	_	861 2W 29 C	S.M.	128	9	5	0.01	16.0	16.0 103	7	6 5	5.0 10.0	8	6 1	8	3.0	4,5	63	00	9 9	6.0 //	10.0	19	7	4 45	2 7.0	84	m	m	5.0 2	8.0	17	2	1,5	3
12	23 154 7	7	4 100 155 128	15.5	128	0		10.0	7 10.0 16.0 105	105	6	4	6.0 11.	11.0 81	6 1	2	4.0	6.0	63	9	9	*0.9	10.01	9 65	8		5.0 8.0	47	~	3	40.4	7.5.	17 0	7	1.0	3.0
				1																																

 $F_{\alpha m}$  = median value of effective antenna noise in db above ktb  $D_{\mu}$  = ratio of upper decile to median in db  $D_{\mathcal{A}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

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		20	D& Vdm Ldm	0 5 31 8	2 2.0 3.0	2 1.5 30	3 2.0 30	4 1.5 3.0	4:1.5 3.0	4 2.0 3.0	3 2.0 3.5	4 40 40	4 2.0 3.5	2.00.25	6 25 40	4 3.0 5.0	4 25 4.5	2 2.0 3.5	2.00.2.5	2.60.2 6	4 2.5 40	7 1.5 3.5	2 0.0 3.5	4 2.0 4.0	2.0 3.5	4 2.0 3.0	3 1,5 20
			Fom Du	19 2	0 61	19 2	19 2	r 61	1 61	19 4	18 7	19 2	7 18	19 5	2,6	7 61	216	7 61	h 61	9 61	7 /2	4 10	7 10	7 /0	19 7	19 2	19 0
			De Vam Lam	4.0 6.0	40 6.5	4.5 8.0	40 6.5	4.0 7.5	45 50	4.5 6.5				- 4.5 8.0	6.0 9.5		4.5 8.5		2.6 0.9	6.5 10.0		0.6 2.2	4.0 6.0	5.0 8.0	5.0 9.5	40 6.5	40 00
		10	Fam Du D.	1 8 6	40 7 7	8 6 00	0 6 6	7 9 0	2 9 8	5 5	1 9 0	9	79	2 5	8 4 8	439	ィ	42 8 3	9 4 94	8 4 84	5 9 8	9 6 74	6 6 6	2 4 6	9 9 84	6 8 9	7 1 100
	-		Vdm Ldm Fa	5.0 9.0 4	5.0 8.0 4	4.5 7.5 4	45 8.0 40	4.07.040	6.0 9.0 38	80 110 47	20 110 40	5 9.0 36	40 6.0 36	0 60 40	10.5 38	8.0 /0.5	5.0 7.0 42	80 12.0 4	0 7.5	75 10 11 4	70 110 48	5.0 4.5 4	1.0 7.0 46	40 70 47	4.0 7.5 4	45 80 46	2000
		5	Du De Ve	4 4 5.	2 8 4	4 10 4	4 2 4	7 5 4.	7 7 4	00	8 4 8	6 7 4	42	8 8 5.7	e_+	*40	*~	9 13 8	y 41 8	7 13 7	13 11 7	\$ 11 8	6 9 4	70	4 64	4 4 4	,, ,
	-		Ldm Fam	10.0 59	10.0 59	11.0 55	135 51	13.0 45	12.0 40	7.5 35	70 31	7.5 31	4 25	7.5 29	8.0 \$3	4.5.49	14.0 \$3	9.5 36	7.5 39	14 5.8	1/1 0.6	5.0 45	30 49	7.0 53	65 2.9	90 59	27
		22	De Vam	5:5 9	6 600	5 70	9 45 13.5	100 to	4 9.5	4 5:0	2 40	3 5.5	4.7	3 5:5	5.5 2	7.0	3 /0.0/4.0	5-6.5	5.0	6 5.0 8.5	5.0	4 3.5	2 4	7	5 40	4 5.0	17/1
	(MC)	2	Fam Du	63 6	61 8	5.65	615	38 12	29 15	01 68	7 60	29 6	7 67		2, 2	*>	31 12	34 9	35 9	35 10	35 6	3 98 1	8 14	ds 10	1 72	59 10	/ ~ //
	rreduency		Vdm Ldm	6.5 11.5	7.0 11.5	7.5 12.0	X.5 7.5	2.5 4.0	2.0 4.	40 65	3.5 4.5	1.5 4.5	6.5 40	11.0 20.0	12.0 19.0		7.5/1.5	6.0 13.5	* /0.5	250 0.31	6.5 700	252 255	\$50 \$0.5	3.0 4.0	45 80	5.0 9.0	77 77
L	Ĭ	.495	n Du De	017	9	01 01 9	2011	10 01	6 3	2 0/2	7 7/2	2 41/	16 5	346	24 8		4 22 14	1 16 20	61 21	8 17 17	6 70 9	2/5/	4 62	9 01 0	175	8 010	0///
			Vơm Lơm Fam	* /3.5	H 0.11	125 66	4.5 S.4	140 52	150 51	180 52	13.0 52	4.0.01	55 5.41	5 13.0 58	180 58	17.5 64	5 175 66	185 74	16.0 71	\$ 400 68	5 19.0 62	19 0210	52/ 50	8.0 15.5 To	13.5 77	0.5 80	1.00
		160	70 I	× 12	4 6.0	12 70	2 40:	12 75	8 40	2/1/2/	4 6 70	12 80	*0;	2 10 45	2.01 21 0	2 18 115	0 18 4.5	3 17 12.5	3 16 120	2 18 12.5	70	2 17 400	2 16 7.5	00	1 8 70	6 8 6.5	0 /
			m Fam Du	7 00/ 0	9 701 0	9 401 0	16	100	80	5 82 17	28	63	200	81 88 0	4 06	15:0 100 12	91 86 5	5 401 3	5/10/13	2/00/0	0 99 15	21 96 0	0 96 12	96	8 201 0	_	_
			D& Vdm Ldm	6 11.5 18.0	7 11.5 18.0		7 13.0 20.0		2.06 2.61 8	4 + F	7 13.0 30	10.01	11.0 18.0	1, 10.0 17.0	12 4 0.5 1	* 0.6 8	12 45 15.5	8 10.0 15.5	8 10.0 16.5	8 10.5 17.0	12 10.0 17.0	10 11.0 18.0	12 11.0 19.0	8 12.0/8.5	8 11.0 17.0	6 11.5 18.0	0 1 10 100
		.051	Fam Du	9		121 8		10		0/	117 9		125/	128 7	9	131 8	132 8	33	133 7	131 8	131 8 1	101 /5/	127 6/	105 7	127 6	127 6	1
			/dm Ldm	0.0 155			11.0 175		9.0	11.5 18.0 1	11.5/8.0	* * * 11.0 17.0		4/7.0	9.5 16.0	10.0/0.01	0.0 17.0 1	9.5 15.0	8.0 135 1	10.0 15.5	100 15:5-	11. 0 16.0	10.01 16.0	10.0 16.0	8.5 150 1	9.5 16.0	Dc, 14 p 130
		013	70 ng	4 4 11	7 9		ત્ર	2	inches de la constante de la c	7 3	1 4 4		4 7 9	2	7 7 9	*	* 18	6 7 9	4 6 8	_	1 9 9	4 6 11	_	4 4 /c	7 4	7 7	7
	IS	الم (٦	Hor.	7-51 00	ys/ 10	02 154	03 154	45/ 40	05 15-3	75/ 90	4-51 70	9-51 80	25/ 60	10 15%	11 /6/	12 /64	13/62	14 162	15 162	او // ۲	17 160	18 160	85/ 61	20 15-6	21 /5%	22 156	121 20

 $F_{Qm}$  = median value of effective antenna noise in db above ktb  $D_{\mu}$  = ratio of upper decile to median in db  $D_{\mathcal{K}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

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19 61			Vdm Ldm	15 30	1.0 12,5	1.5 3.0	1.513.0	2.0 3.5	2.0 3.5	2.0 3.5	1.5 35	2.0 40	* * *	* 4.0 × 6.0	2.4 5.0	30 45	N.5 45	2.0 40	2.0 4.0	2.5 4.5	3.0 4.5	* 5.5°	4.0 6.0	a.5 4.0	2.0 3.5	1.0 3.0	0.8 0.1
		20	70 r	1	4	~	4	2	2	m 9	~	4	7	4	7	2	1	4	9	و	4 9	4 4	7 6	7	3 4	4	7
August			Fam Du	16 5	16 4	16 4	7 91	16:4	16.7	10	1 2	16 "	18/	6 11	100/	18	18/	2	400	5 00	700	707	20	30	. 81	16 3	11 6
				0.0	6.0	×.57	6.0	120	0.0	LS: 9	20.0				2.5	13.0		15.00	_	14.5		- 0	6.57	9.0	8:57	PS	8.0
Month			Vdm Ldm	3.5	رب 0	122	100	13	* 0.5	+3	45				*,5.	*5.5		47.	4 4 4	15.0			10:05	15:5	5.0	5.0	90
Ž		10	Ja	9	و_	4	w	12	4	-9	e	7		2	20	2	9	8	2	7	4	3	e	2	~	7	2
回 2			n Du	7	3	5	00	5	6	<u> </u>	1	8	00	, 6	7	ام	4 4	9	7	2	7	9	12	3	5	4	\ 
17.		_	m Fam	8.5 42	9.5- 40	9.5 39	8.0 38	9.0 40	8.5 42	4h 0.0/	70 47	8.0 38	7.5	8.0 40	125 40	* 0.5/	10.5 44.		10.0	84 0	gh 2.01	11.0 48	9.5 48	\$4 0.01	8.0 4S	10.01	7.
Long.			Vdm Ldm	4.5 8	6.0 9	6.09	3:08	5:5		* 0.1	15.7 × 2.	5.0 4	*15	5.0 8.	15.7 × 5.7	# 0.0/	70.4	70.0	8.0 6	8.0 13.0	7.0 10	6.0 //	5.0 %	¥0.5	5.0	5.0 10	+ 0/2
		2	D V	7	3	7	9	7	* 5	~ C	2	1. √2 1. ~2		6	+2	+1	9	e	00	6	4.	-9	7	7	8	9	* 7
59.5			no	5	15	9	7	2	~	و	۵۰	141	7	17			7	7	0	6	9	14	e	S	e	7	V
Lat. 5			Fam	5.6	25	23	55	_	46	17	37	15	3	~	*~	*25	33	37	65	43	46	15	5	373	19	5.5	b
			1 Ldm	70 11.5	12.0	ينتكلك	11.0	15.0	12.0			6.0	¥ 0.	6.0	\$ 0.0	*3	1. 3.0	* 5.5	<del></del>	10%	12:52	6.0	¥ 00.5		11.5	* 12.5	" "
eden		5	De Vam 1	20	7.5	7.0	1.0	10	9 8.0	10	*v.	+ 1 5.0	120	4,0	\$ 5.0°			5.0	*2	*0.5	كننا	73.5	* 4	155	1 60	7.5	1/2
Sw	3	2.	D <sub>U</sub>	6	9 0	8 9	7	00	6 11	14 6	2	7 4	1	7 7	10/	7 4	4 01	3	00	6-51	8	01 8	4/ 4	7	8 9	9 9	" "
ing,	(Mc)		Fam D	63	1 19	19	5-6	1/5	38.	33 /	35	3/	in	29	160	32 14	31/	1/8	35/	39 /	39 10	54	ζ	60	63 (	6,1	
Station Enkoping, Sweden	ncy		Ldm	2.0 6	5.0	===	100	\$.00	4.0%	* O	* S.S.	5.5	2:0	8.0	12.0	* P	8.0		13.0	*% 0.%		2.0	5.0	11.06	3.5	40 6	1 / 1
등 의	Frequency		/e	4.5	* C.O.	*~	43.	*~?	47	44	*~	*~	+.8	3.5	4°	4.0	6.0	9	42.	40.5	7.0	7.5	3.0	\$20	15.7	م.ه	*
Stati	Fre	495	<b>7</b> 0	0/	de	14	9	00	2	~	ィ	8	7	0	2	00	2	74	7	2	00	12	ベ	9/	7	9	
,		4.	۳	6	00	0/2			7.	10	14	- 7	1	77	18	200	23		_	17/	205	1/3	00	6	1	5	,
ш			m Fam		18 5	0 78	2000	3,5	2	25 0	3		7 54	25 5	5	090	5. 5.8	49 0	5 64	190	0 62	5 68	0 76	57 84	0 8%	080	9
NOISE			DA Vdm Ldm	* 5.5	24 0.8	x40 \$ 5.0	* 5.0 \$ 5.2	8.5 14.0	5.0 8.0	45 40	6.0 8.0	4.0 5.5	40 4	5 75	\$ 0.9	7.0 120	9.0 135	9.5 15.0	8.0 13.5	8.0 140	7.0/13.0	7.0 12.5	* Sis 11.0	6.5 12.5	0.11 0.9	5/12.0	*;
Z		0	'A Z'a	* 3	!	×	*2	·00	10 5	* 2	00	11 4	* 2	*2	3/2	5	6 21	5 11	20	15-8	16 7	16 7	10/	9 6	7 %	9	*,
5		. 16	ρņ	7	و	~	3	Q	00	01	20	15	4	16	17	, (,	91	7-1		73	16	10	1	٦	ام	0	0
RA			T'am	180 113	901 0.51	601	107		50	2	2	18	100	83	28		93			165 95	93	93	65	105	15.51 109	16.0 109	106
PP			De Vdm Ldm	- 180		901 8.91 2.01	9.0 15.5	11.5 18.5	12.0 19.5	10 13.0 21.0 83	135 01.5	12 /3.0 21.0	13.0 \$0.0	18.0	19.0	10.0/65	F.0 13.0 93	7.5 13.5 94	12.0 18.5 97	7.91	13 10.5 165 93	10.0 16.0	11 11.0 16.5	8.0 14.5 105		0.9/	201 201 201 2
လ		051	Vdm	70.01	11.5	9 10.		8/1/8		0.57	7,35	* 73.6	7 /3.0	0.11	5.11	6 /0.0				511 41	70.5	10.0	11.0	-	9.0	9.0	2
当		•	O no	2/ 12	2 2	6 01	7 7	04	2	7 7	0/2/			8 11	9	9	9 01	00	0/9	2	9 13	8 14	7 11	01 8	5/ /3	7 10	-
M				129	1 801			<u></u>		151												125 8			_		
22			m E	5.0	15:57	16.01	17.0 /	17.0/	18.0	19.0	9.0	1.01	9.6	6.0	7.0 /	7.0 /	16.5" /	8.5 13.5 127	5.5	9.0 145 DS	1,50	45/	8.5 14.0 125	80 14.0 127	P.S 140 131	10%	107.
0			D. Vdm Ldm Fam	9.0 15.0	9.0 15.57	10.0 16.0 124	LE1 0.51 0.01	11.0 17.0 119	11.0 18.0 115	2 12.0 19.0 115	7.12.0 19.0 115	11.0 17.0 115	2 125 19.6 119	10.0/16.0 119	10.5 17.0	11.0 17.0	4 11.0 16.5	12.90	16.0 15.5 127	9.0		9.0 14.5	8.5	8.0		85-140 129	20 00 110
+		. 013	70	2	3			W	*	76	y	7	8	2	==	15	7	7		2	٠	7	7	7	8	n	
F			Fam Du	2	7		9	9	+	0	5	9	8	3 7	1 7	2 2	9 9	9 9	9	7	6 2	6 8	5 8	1 8	17	5	1
MONTH-HOUR VALUES OF RADIC	116	7) 1	noH	9510	1 15-6	VS1 20		451 40	5 154	5/ 6	151/	5. K	05/ 6	55/ 0	-	2 155	3 /56	4 /5-6	5 156	3 158	7 156	3 15-6	154	451	154	25/ 2	23 106
	(TS	1) 1	HOL	8	ō	Ö	03	Ŏ	02	90	07	08	60	0	=	-2	5	4	15	91	17	18	6	20	2	22	2

 $D_u$  = ratio of upper decile to median in db  $D_{\mathcal{A}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of overage logarithm in db below mean power

19 108 21 14 75 32 14 50 30 8 50 18 7 44 5 5 3 0 4 3 5 18 108 20 18 21 14 75 32 14 50 20 18 7 51 6 4 32 2 5 5 10 6 4 32 2 5 5 10 6 4 32 2 5 5 10 6 4 32 2 5 5 10 6 4 32 2 5 5 10 6 7 5 5 10 6 7 5 5 10 7 5 5 10 7 5 5 10 7 5 5 10 7 5 7 5 7 5 7 6 7 7 5 7 5 7 6 7 7 5 7 6 7 7 5 7 6 7 7 5 7 6 7 7 5 7 6 7 7 5 7 6 7 7 5 7 6 7 7 5 7 6 7 7 6 7 7 5 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

 $F_{\rm om}$  = median value of effective antenna noise in db above ktb  $D_{\rm u}$  = ratio of upper declie to median in db  $D_{\rm g}$  = ratio of median to lower declie in db  $V_{\rm dm}$ <sup>2</sup> median deviation of average voltage in db below mean power  $L_{\rm dm}$ <sup>2</sup> median deviation of average logarithm in db below mean power

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2 Vdm Ldm Fam Du De Vdm Ldm Ldm Ldm Ldm Ldm Ldm Ldm Ldm Ldm L									1				Frequency	<u>ک</u>	(Mc)			-				-						
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	 ~	2 VG	'dm Ldn		o	ವ			DZ Vdm	mp 1	Fam		mb/	_		Z <sub>Q</sub>	Vdm L		್ಡ	VI -	Vdm L			-	/dm		-	L da
4         40         7         4         7         4         3         45         3         33         1           6         70         7         6         65         4         5         44         4         3         13         1           6         70         7         4         6         63         5         3         42         4 <th< td=""><td> </td><td>لم</td><td></td><td>8</td><td>1</td><td>4</td><td>76</td><td></td><td>7</td><td></td><td>77</td><td></td><td></td><td>3</td><td></td><td></td><td></td><td>7</td><td>~</td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	 	لم		8	1	4	76		7		77			3				7	~	0								
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1961

Month July

Station Front Royal, Virginia Lat, 38.8 N Long, 78.2 W

MONTH-HOUR VALUES OF RADIO NOISE

 $F_{\rm gm}$  = median value of effective antenna noise in db above ktb  $D_{\rm u}$  = ratio of upper decile to median in db  $D_{\cal E}$  = ratio of median to lower decile in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

Σ	ON	TH-	MONTH-HOUR VALUES OF	>	AL	UES	OF	RAI	00	RADIO NOISE	SE		Static	되	ront	Roya	1, Vi	Station Front Royal, Virginia at 38.8 N Long.	Lat.	38.	8 N	ong.	78.2	<b>M</b>	Month		August		19 61	_1
(18													Fre	Frequency	ζ	(Mc)														
ג (ר		.135				500			2.5				5				10			2	20									
noH	Fam	NO DA	DX Vdm Ldm	n Fam	n O m	_	Dr Vam Lam	Fam Du		Dr Vdm Ldm Fam	dm F	am Du	20 1	Vdm Ldm	dm Fa	Fam Du	=	De Vem Lem	m Fam	D <sub>u</sub>	De	Vdm Ldm	m Fam	Du	Dr Vam Lam	mp- u	Fam	D <sub>u</sub> D,	D& Vdm Ldm	Ldm
8	115	ک کی		2	7	2		16	4 6		-9	65 3	4		7	46 4	7		2	_	_									
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04 /15		12		90	5	9		75	3 6		19	3	~		~	43 3	~		7	-	1									
02	011	5 8		74	6 1	9		65 3	5 6		3	€ 07	4		2	7 77	2		77	0	-									
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20	401	11 01		63	3 12	7 7		1 44 1	10 5			45 5	9		7	44 3	٣		11	7	_									
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8	101	6 11	-	19		12		29	2			3,8	~		m	39 4	~		30	- 2	~									
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=	106	9 10		63	3 /2	2 5		30 10	6 0		R	5 8 3	~		38	15	7		25	7	_									
12	90/	6 01		120	70 14	9		357/	18 3		\	33 /2	8		7	40 H	7		29	2	0									
13	110	0/11		75	75 21	11 1		38 25	12			38 15	و۔		2	43 2	12		30	Μ	-									
4	114	7/ 11		28	25,	5/3		44 23	3 10		3	43 12	5 2		7	44 3	3		30	m	_									
15	911	7 14		82	2 17	14		4000	6 0		7	47 6	0/		7	46 3	3		3	~	~									
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17	11 110	6/0/		3	217	9/0		1 52	12 15		-3	56 3	5 7		50	7 0.	7		<u></u>	20	3									
8	1/1	12 8		00	2/2	1/5/		63	6 6		2	201	9 -		53	~	3		~	~	~									
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23 116	116	7		16	12	9		77	7 7		7	65-5	~		7	47 5	~		23	^	0									
T.	21 62	median v	For a median value of effective antenna noise in db above ktb	factive	ante	and noise	in db of	nowa kt																						

 $F_{\rm Qm}$  = median value of effective antenna noise in db above ktb  $D_{\rm u}$  = ratio of upper declie to median in db  $D_{\rm g}$  = ratio of median to lower declie in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

				1	-	1-	1	1	7		0	1	~	0		6	0	5	0	5	0	0	2	-	5	2	5	
			Ldm	36	30	2.5	25	25	2.5	33	30	3.5	30	30	4.6	3.0	4.0	4.0	5,6	4.0	5.0	5	4.0	116	33	15 30	35	
			Vdm Ldm	15	15	0.5	0%	0%	0	0	1.5	2.0	15	15	3.0	2.0	25 40	2.5	3.0	20	3.0	30	20	25	2.0	1.5	2.0	
1			70	0	)		7	6	0	0	0	0	2	0	4	0	O	0	a	N	N	2	0	0	0	0	0	
		20			7	0	2	7	7	2	7 .	7	12	7	14		S	/ (			C	,,	J	2	2	2	0.	
			D E	5 2	N	1	0	0	0	3	0	00	3	17	14	12		3 4	5 2	5 4	7	7 2	7 2	2	N	13	5	
			For	3	25	25	13	13	13	3	23	23	23	2	2	7	123	133	125	135	17	3	5	3	25	5.0 25	N	
I			Dr Vdm Ldm	35	5.0	4.5	50	5.5	5.0	33	5.0	6.0	201	16.5	6.0	5	tic	¢,6	45	4.0 6.0	6.5	5.0	15	5.0	5.0	5,6	35	
I			W <sub>d</sub> m	3.0	25	2.5	3.0	35	25	25	25	110	40	75	0.6	6.0	2.0	4.0	3.0	4.0	35	30	25	3.5	3.0	3.0	25	
ı			JG	CI	3	8	3	<u></u>	4	7	7	4	3	2	9	1	9	4	N	0	N	17	1	7	j.	0	N	
I		10	D <sub>u</sub>	4	7		7	1		1.	1.	7	¥,	9	4	9	4	00	9	7	8	7	~	3	w	9	7	
I			Fom		7 /	115	2	39 4	39 4	375	33	29	23 1	19 (	101	5 6	3	15	6	25	33	39	"	11		39 6	1/	
ı			-	11/2	4	7 6	1 3			7	5				===	0	1 5	15		5	10		0 4	0 4	85 41			-
			Vdm Ldm	\$35	53	1 1/1	**	0.30	001	is	7	120	150	0.8	18.0	0.77	2/4	5.	25	15.		75	18.0	180	00	40 90	250	
I				50	7.6	5.6	3	20	60	13	3	28	3.0	45	49	5.6	4.	*4.l	64	67.		+10	50	32	7	17	50	
1			ZO.	6	Ĺ	7	S	00	9	6	9	4	4	4	0	0	W	7	9	4	1	(g	7	N	B	7	7	
		40	n <sub>Q</sub>	9	9	5	5	13	9	7	7	9	4	4	9	4	5	2	4	4	8	2	3	7	3	7	3	
			Fam	28	62	19	20	24	52	84	29	23	hZ	24	2	22	23	24	hi	74	hZ	36	12	18	29	20	20	
1			Ldm	3	100	11011	11.011	120	Jac)	0%	Ś	5.0	50	45	45	4.0	4.0	0	3	0%	1.0%	5	6.0	3	9.0	0.6	165	
۱	}		V <sub>dm</sub> L	<del></del>		7.0 11	7.0 //	65 1			3.0 5.0		3.5 5	2.5 4	3.04	2.0 4	254	2.0 4	3.05	2.5 4	2.5 4	2		5.0 8	5 9	6.0 9	7.0 11	
ı				6.0	6.5	7	1	ં	20	6.5		3.0	انش	2	5	*Ci		*0:		1	6	3.5	35	لهم؟	S			
		2, 5	20	~	77	O	7	7	4	W	7	9	2	4	N	$\omega$	14	W	W	6	N	7	6	3	7	78-	U	
ı	(Mc)		D <sub>u</sub>	00	H	7	7	5	6	4	U	4	7	N	19	3	\	5	H	7	7	N	7	W	3	4	9	
ı			Fam	B	33	55	13	33	3	3	43	37	33	33	3	32	33	32	3/	33	33	35	43	119	13	53	53	
	Frequency		F m	3	35	125	45	60	5.9	1.0	15	014	7.0	3.5	10	5.0	8.0		0.0	6.5	5.0	2.6	11.0	53.	185	53	14.5	
	dne		Vdm V	8.0	0.0	00	2	3.5	0.0	13	3	3.0	2.5	0	30	2	20		20%	35	35	0,0	2.0	53	15	2	35	
	Fre		70	3		10	2	7	* 10	17	11	60	N	21	10	V. 1	N	>		7	7	رم <del>ا</del>	100	200	2 /	8		
1		495	a a		7	,			1)		,	14		14	4)	7	-	0 4	0	7 /	7	w	1	-	0		9 9	
		•		5	2	7	0	9	2	3	11/1	9	7 4	00	6	00	715	0/ /	3 12	1	29	9	5/6	5	0	2	56	
ı			Fam	2	2	2	2	177	12	55	5	50	149	3	14	6/2	13.0 49	151	153	15/	5	54	13	12	17	7.0 13.0 75	127	
1			Vdm Ldm	550	85 15.0	105 165	17.0	11.0 175	17.6	13.0	J.W.	150	#15	135	276	14.0	13.0	129	H.S	13.0	0/2	10.	50.	300	12.0	13.6	11.5	
1			Vdm	9.0	85	10.5	160	11.0	165	133	33	300	800	7.5	7.5	3	2.0	6.0	00,	201	7.0	5.6	S. C.S.	65.	7.0	7.0	65	
۱		0	70	0	9	4	9	4	5	3	1	4	3	4	Ġ	9	4	a	4	2	2	3	9	9	4	j,	17	
1		, 16	Du	5		3	5	00	2	7	17	0	0	13	29	2	14	9	2	4	9	3	5	17	W	w	4	
			Form	3		_	701		-	1/2	2		3	74	1/1/	72			24			hL	38				00	
			E	0	9.0 16.0 102	16.0 16.0 100	0	125 170 100	001 0:31 0:11			8.5 HIB 74	11.0 73	65 105 74	10.0 13.5 74 16	8.0 125 74	8.0 130 72	75 120 72	80 130 72	70 115 92	75 120 70	7	_	135 94	12.0 95	80 135 98	86 83 38	
1			Dr Vdm Ldm	0.51	16.	0 16	95 16.0	12	18	95/165	13	7.	7	200	0 13.	0.5	3	12	0 13	11/2	1.12	5 16.0	55 95		55	3	12	
			, Var	06	13%	1	3		_		0	000	7.6				نصنف	هنان ا	8,	*2.7	7	5.5	13	20	75		0%	
		051	۵	12	N	N	W	W	4	7	7	7	N	ic	P	7	3	7	N	4	14	7	4	4	0	1	7	
		0	Du	CI	4	5	5	6	9	5	7	F	5	2	7	00	0	9	01	00	5	4	N	Ť	1,0	7	N	
3			Fam	12%	130	126	82	121	128	13	1	89	106	18	13	2	Ž	10	108	106	104	101	110			27	134	
			E		30	0.4	5.0	5.5	2	15	3	3	2	5	5	0%	35.	76	20/2	2.0	6.6	6.0	1.0	35	35	3	12	
			D& Vdm Ldm Fam	8.0 135	8.0 13.0 12% 4	8.0 4.0 126 5	821 051 06	10.0 16.5 11.27	105 170 128	11.0 17.5 120	100 KC 114	11.0 17.5 108	9.0150 106 10	9.0 45 109 10	2 95 113	9.0 14.0 112	8.0 135 111	9.0 140 110	80 160 108	2 10,0 15.0 106	105 16.0 104	95 160 104	8.0 14.0 110	80 35 118	75 135 121	75 135 122 4	76 125 124	
			>			30						111			9.	0.				10					_	~	0	
		013		U	N	N	3			W	1	N	N	N	N		N	N	a		4	4	2	N	N	a	7	
			2	N	N	N	N	N	N	17		N	01	is	N	15/2	N	a	h bhl	7	12	N	12	2	01	0	S	
			ma ma	155	沒	02 155	155	04 155	155	155	121	197 80	121	10 151 2	132		151	151		64.1	149	bil	149	20 149	151	153	23 153	
	(TS	ر (٦	noj-j	8	ō	8	03	04	လ	90	20	80	8	0	=	-2	13	4	15	9	17	8	6	20	21	22	23	
																				_					_	_	_	

Month June

Station Kekaha (Kauai), T.H. Lat. 22.0 N Long. 159.7 W

MONTH-HOUR VALUES OF RADIO NOISE

 $F_{qm}$  = median value of effective ontenna noise in db above ktb  $D_{\mu}$  = ratio of upper decite to median in db  $D_{\mathcal{A}}$  = ratio of median to lower decite in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of overage logarithm in db below mean power

19 61
h July
Mont
. 159. 7 W
Lat. 22.0 N Long
Station Kekaha (Kauai), T. H. Lat. 22, 0 N L
NOISE
RADIO
R
VALUES
MONTH-HOUR
MO

Frequency (Mc)  1.150  Fram Du De Vam Lam Du De Vam Lam Fram Du De Vam Lam Du De Vam Lam Du De Vam De Va
Tequency   Mc    Street   Mc    St
160   160
160   1.60   1.495   1.25   1.50   1.495   1.25   1.50   1.495   1.25   1.50   1.495   1.495   1.2
160   1.60   1.495   1.0   1.50   1.495   1.0   1.50   1.495   1.0   1.50   1.495   1.0   1.50   1.495   1.0   1.50   1.495   1.0   1.50   1
160   1.40   1.495   1.10   1.495   1.10   1.495   1.10   1.495   1.10   1.495   1.10   1.495   1.10   1.495   1.10   1.495   1.10   1.495   1.10
160   1.60   1.495   2.5   10   10   10   10   10   10   10   1
160   1.495   2.5   5   6   70   70   1.495   1.00   1.495   1.4
1.60  3. 60  3.
1.60 495 2.5 5 5 5 5 5 5 5 6 160 495 6 6 6 6 6 6 6
160   160   1495   2.5   2.5   160
160   160   1495   2.5   5   5   160   1
160   .495   2.5
160   2. Vam Lan Fam Du Du Vam Lan Fam Bu Du Du Du Vam Lan Fam Bu Du
160  495  495
Trequency (Mc)  -160  -160  -160  -160  -185  -186  -1
Trequency (Mc)  -160  -160  -160  -160  -185  -186  -1
Tequency (Mc)  160  160  160  160  160  160  160  16
160  160  160  160  160  160  160  160
160  160  160  160  160  160  160  160
Frequency 1.160  1.160
Frequency 1.160  1.160
250 02, Vam Fam Fam Pau Oba 02, Vam Fam Pau Oba 02, Vam 02, Va
20 02, Vem Lem Fom 02, Vem Lem Pou 02, Vem Lem Pou 03, Vem Lem Pou 04, Vem Lem Pou 05, Vem Lem Pou 06, Vem Vem Lem Pou 06, Vem Vem Per 06, Vem
22 6 7 7 7 7 7 8 6 7 7 8 8 8 6 7 7 7 7 7 7
22 22 24 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26
200000000000000000000000000000000000000
200000000000000000000000000000000000000
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
120 120 120 120 120 120 120 120 120 120
130 137 130 137 137 137 137 137 137 137 137 137 137
80 135 128 80 135 128 80 135 128 105 150 137 105 150 114 85 130 114 85 150 114 86 135 115 87 150 118 88 135 115 88 135 116 88 135 130 116 88 135 116 88 135 116 88 135 116 88 135 116 88 135 136 88 135 116 88 116
3 m d d d d d d d d d d d d d d d d d d
ПП

 $f_{\rm dm}$  = median value of effective antenna noise in db above ktb  $D_{\mu}$  = ratio of upper decile to median in db  $D_{\chi}$   $\epsilon$  ratio of median to lower declie in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of overage logarithm in db below mean power

		_	E	5	5	0	0	5	50	2	0	2	0	5	0	0	5	0	3	5.0	0	5	9	9	5	5	35	
61			VamLam	5.3.5	03.5	3.6	93	12	0	2.0 4.0	53	2.04	03	03	33	,y,	04	14	566		25 5.	9.4	2.0 4.	20 4.0	20 35	5 35	153	
6			>	15	0	12.	11	1.0	"	6	1.5	_	7.	2.	11	2.	3	3	35	2.5	7	7	2			1.5		
		20	70	U	2	0	0	0	0	0	0	7	0	0	0	1	2	0	7	7	4	-	1	7	7	/	7	
ust		2	'n	0	0	N	7	7	N	2	2	2	2	7	1	0	2	N	1	7	N	B	3	0	0	/	0	
August			Fam	25	25	35 65 23	23	2.0 4.0 23	3,0 5,0 23	30 50 23	23	23	21	21	61	21	23	25	25	27	27	26	3.060 25	25	25	24	3,0 5.0 25	
- 1			* # 5	50	09	6.5	5.0	4.0	5.0	5.0	6.0	35	40	40	8.0		4.0		6.5	7.5	7.5	60	0.9	6.0	6.5	5.5	5.0	
Month			Dr Vam Lam	3.0 50	0%	35	2.0	2.0	3.0	3.0	3.5 6.0	2.0 35	15 40	2040 21	60 80		20		3065	50 75	45 75	40	3.0	3.0 6.0	3.5 65	30 5.5	30	
ž			7a	4	CI	3	4	4	H	a	7		4	8	4	B	4	5	N	2	7	3	0	w	7	2	3	
≱ı		10	P <sub>Q</sub>	B	2	2	2		2			7	4	8	8	Ü	8	8	3		9	P		7	7	2	03	
159.7			Fam		39		37			6.0 100 35 4	33		23		-	14	=	17	71	75 125 29 4						_	2	
159				0.		5	_	0	90 35	3	0	0		5080 19	45 8.0 15		0.6		5	35	7.0 10.0 35	7.0 11.5 40	0	16.0/100	40 75 41	4585 41	06 80 40	
Long.			*m	09	0	80.	5.08.5	07	5.5 %	0	7.0 11.0	56	40 55	00	5	5.0 8.5	6.0 9	0.6 0.9	2.5 4.5	5 1/2	0	0	0	0/10	0 7	5	0	
7			Dr Vam Lam	10 5.0 90 41	11 4.0 8.0	7 10 50 85 38	6	8 40 70 35	=	9	7	6 35 6.0 27		5	Į	ا محصنات				7			2 60 9.0 39		4			
22.0 N		5		_		"	_		5	4	4	=	4	4	2	7	7	4		4	6	7	_	7	7	1	3	
22.			n <sub>O</sub> u	9	9		2 17	51 16	18	7	9	9	8	8	00	00	9	9	9	4	6	9		7	9	7	4	
Ę			Fam	60	30 62	100	52	5/	4575 49	5.0 8.0 50	2.0 4.5 36	3.0 5.5 28	- 22	122	8	120	40 19	120	20	22	27	38	7,7	50	65 48	B	15	
H.			Vdm Ldm	6.5	\$10	0.8	7.5	10.0	75	8.0	4.5	5.5	4.5	3.045	2.0 4.0	2	4.0	45	40	45	20 40	55	6.0	7.0	6.5	60	5.0 7.5	
H		į	Vdm	35	50	5.0	45	6.5	45	5.0	2.0	3.0	2.5	3.0	2.0	3.0	25	2.5	20	25	20	40	30	4.0	35	3.5	5.0	
iai)		หา	₹ <sub>Q</sub>	6	$\omega$	B	9	5	7	9	4	4	7	ij	3	7	7	4	7	¥	7	3	ij	H	4	4	5	
Kar	(MC)	7	Du	5	5	8	5	8	4	9	12	5	9	2	1	7	7	3	2	3	8	7	10	7	6	૭	5	
Stotion Kekaha (Kauai), T. H.	=		Fam	56	35	55 8	57	170 390 55 8	55	80 60 52 6	39	35	33	$\overline{x}$	32	31	31	31	31	31	3/	33	43	51	53	B	B	
eka	Frequency		* E	19.0	185	0%	21.5	30	100 230	60	8.0	4.5	7.0 9.0	8.5	40		55	35	30	20		3.0	35 7.0 43	75	85 135 53	0.0	75 105 55	
E XI	dne		02 Ver. Lam	11.0 19.0	35	125 17.0	135	20	00	30	60	3.045	0.2	6585	25	40 5.5	40 55	15	155 280	3,050	3.0 5.0	1.5	3.5	40 75	3.5	5.0 10.0	151	
atio	Fre	10	120	7	9	8	5	نسنت	5 1	5 8	4	4	3 6	3	3	2	2	2	2	4	3	4	8	5		9	7	
ঠ		495	D <sub>u</sub>	10	13	عند	01	0	11 5								20 1		ė,	29		14	1  8	7	7 8	0		
		Ĭ	Fam	78	182	0	79 /	8	75/	56 12	519	0	49 15	1 6	8	18%	8			0	8	52 1	1	101	JHL.	74/	100	
ليا		=		0 5	16.0 7	110 180 80 9	200 7	125 195 78	0	0 5	5	8.0 17.0 50 14	5	150 260 49 17	85 150 48 16	15	180 4	6.0 12.0 48	85 150 48	05 09	80 145 48 16	9		22	0	120 7	95 WO 78 10	
NOISE			DZ Vdm Ldm	95 150	2	0 18	52	5 19	125 190	130 200	100185	0 17	8.5 16.5	0 28	515	70 125	75	012	5,0	5	0 14	50 10.0	60 105	115 160	20 13.0	0 17.	5 14	
ž			PAZ	9.	9.5		125				-					ر حصف	8			7.5	ر خاند	_				2.0		
9		160		9		يحنند	7	૭	6	2	9	9	5	00	૭	9	1	7	15	4	00	7	19	70	9	7	00	
B		٠	D.	8	3 4	9	37	15	9	2 12	13	7	22	22	2	0	į	7 24	8	0	3	7	00	7	9	S	9	Ktb
<u>~</u>			Far	0	01	100	0	9	10.	8	72	12	100	72	72	22	2	89	68	2	72	75	8	2	9	96	100	powe
R			Dr Vdm Ldm Fam Du	155	65	16.0	11.0 170 128 6 6 11.5 185 103	215	120 200 102	300	2 120 205 72	2 110 180 70 7	170	16.5	6.0 11.0 70 12	4 8.0 WS 70 10	8.0 13.5 70 W	13.0	80 140 68 10	180	135	6.5	2 7.0 130 90	45 125 quy 4	80 50 119 5 4 7.0 135 96 6 6	14.5	2 11.0 17.0 100 6 8	e de
(0			Vdm Vdm	95	00	ia 5	11.5	13.0	120	130	120	11.0	11.0	9.5	6.0	8.0	8.0	8.0	8.0	9.5	5.5	00	7.0	6.5	7.0	8.5	11.0	Se in
Щ		051	<b>7</b> 0	3	7	H	9	30	4	7	N	1	3	N	3	4	4	a	4	4	4	3	0	3	7	7	N	a nok
7		0	Du	9	4	9	૭	4	9	5	7		10	80	7	7	9	7	6	9	1	6	9	5	5	3		ntenn
>			Fam	124	126	126	138	8	128	122	11	83	100	3	2	F		0)	8	8	8	167	111	li.	19	B	2	Ne d
œ			Ę	40	2	6.0	22	75	0.8	30	110/85/14 7	122	S	23	Z C	2	30/	15	53	0''	5	93	?	200	9	3	15	ffect
3			dm L	3.51	10	0.0	10	15.	20 1	201	0	2	5	5	35	15/	0	2	5	2	15.	101	0.	5	0.	2	3/2	90
Ť			D& Vdm Ldm Fam Du	1 85 MO 124 6 3 95 155 W 8	20	2 1/2	S	2 11.5 Trs 128 4 5 130 215 104	4 120 180 128 6 4	2 120190 122 5 4 130 200 88	24	2 115 175 108 8	2 95/150 109 10 3 110 170 70	0.	2 95 WOVIZ 4 3	2	2 80 130 112	2	0 95/85/110 5 4	2	5 2 165175 106 11 4 85 135 72 13	2 NO 160 107 5 3 100 155 78	4 90 KO 114 6	2 85 150 117 5	acq	2 90 150 122 4 4 85 415 96	200	value
Ė		013		3	6.4	7 7	10				10	100	-	-		2	7	14	7	14	10		2 4	3	_		~	dian
MONTH-HOUR VALUES OF RADIO		•	Fam Du	153 3	155 2 2 8.0 H.S 126 4 4 100 KS 103	53	3	3 4	153 4	3	4 4	80	4 6	3	1512	12	1	17	46	2 6	7 5	4 6		6	11	3 1	3 3	Fam = median value of effective antenna naise in ab above kib
M	(TS.	7) 4	uoH r <sub>e</sub>	00	01 1/8	02 153 4 2 100 40 126 6 4 105 160 104	03 163	04 155 4	05 1/5	06 153 4	07 149 4 2	H 8H 80	H 60 60	10/503 1 9.5/50/110 8 2 9.5/65 72 20 8	- 1	12 151 2 0 75 125 IM 2	13 /5/	14 151 2 2 9.0 HIS 110 4 2 8.0 13.0 68 24	15 149	16 149 2 2 100 170 108 6 4 95 160 70 9	17 147	18 147 4	61	50 149	21 157	5 183	23 163 3 2 85 65 122 5	F
	14.5	1/ "		0	0	0	0	0	0	0	0	0	6	=	-	=	-	-	=	=	=	=	27	ŭ	2	22	2	

 $D_u$  = ratio of upper decile to median in db  $D_{\mathcal{L}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of overage logarithm in db below mean power

USCORE NES-PL

61			D& Vdm Ldm																								
19 61			V 20																								
1	•		n <sub>O</sub>																								
June			Fam																								
- 1			De Vam Lam Fam																								
Month			Vdm																								
Σ		0																									
3			n Du														~							10			
Lat. 28.8 N Long. 77.3			De Vam Lam Fam	15	15	15	49	47	49	47	7 7	47	\$	5	5	43	48.	1,5	3	S	50	15	5	55	C	51	57
ng.			m Ldr																								
9			ρ <sub>Λ</sub> γ	14	~			d		/3	. 20	-			ļ		٨	7	10	6	و	2	9	06	_	5	+
8		5	0 <b>,</b> 0		8 12	11 01	p1 6	21.8			_			_,			15/12	18 14	1 61	16	9	2	9	00	17	11	7 14
28				65 7	65 8	_	63	o		7/15	47 1	*2	46	, 9	xx	42	47 1.	53/	53 /	51 1	57	59	63	63 8	65	1 49	65
			De Vam Lam Fam	9	7	3	- 3	9	64		2	*2	*2	*2	* 2	+2	4	,)	-5)	5	7	5	2	29	9	9	9
m			dm L								-																
India		5	De v	7	14	. 6	7	0/	0	15/	121				-	1	01	14	13	7/	1	0/	01	1	7	6	4
ia	(Mc)	2,5	Du	2	8	5		1	1	2	24							==	10	18	51	8	ی	7	0/	7	0
Dell	5			he	75-	72	71 112	.06	63	5-9	5.3	*2	45,	43	49	9/ 15	53 16	59 26	67	59	5-5	19	69	2	69	73	73
Station New Delhi, India	ncy		D& Vdm Ldm Fam	* 'S'	2.6	10.5				* م م. ع	17.0	17.5		0.71 0.11	4.0	15.	0.0/	*	40.	14.5		10.0	0.01	10.0	2.7	2.6	*0.
uc I	Frequency	Ì	Vdm	ر' ور*	2.0	2.0	7.0 11.0	11.5 17.0	11.5 17.0	4 0.9%	13.5 17.0	* A.S. 17.5	40.00	11.0	+ %	0.0	7.0 10.0	01/	6.0	0.11	9.0 12.0	20	7.5- 10.0	*F.S. 13.0	S.0 /20	8.0 12.5	70%
Stati	Fre	545	Za	0/	9	C	0/	۲/	~	17	22	77		10	2	14	13	7	7	7/	15	6	9	2	3	7	2
O)		5.	٥	7	10	9	00	1	5	2	61	8/		86 23	20	1,2	/3	7	3	9	7	/3	8	e	00	9	00
1.1			Fam	100	86	100	86	3	95,	88	88	88	*	$\overline{}$	8	16	95	86	94	86	40	93	96	96.	20	96	100
IO NOISE			D& Vdm Ldm Fam	10.0	+ 0	11.0	6.01		12.0 15.0	11.5 16.5	* * * 15.0 18.5	18.5	* 1	15.0			10.0/	11.5	12.5	11.5	8.0 12.0 94	10.0	70.5	12.5	0.0 //0	8.5 10.5	2.0 10.0 100
2			Np/	3.0	* ~ i	7.5	2.50	*6.			+ 15.0	14.5	35.	16.0	*0;	40.	2.0	8.0	9.5	75	_	8.0	7.0	8.5		=	
		160	=	0	00	8	0/	4	7	` `	2	2	9	00	0	7	0//	7	10	//	10	2	9	7	9	9	0
AD			Dr Vdm Ldm Fam Du	2	00	_	9	10 115 160 117 10	9/8	6 130 18:0 107 17	1,0		00	16.0 107 14	13.0 105 14	13.0 109 19	11/5	00	3	11 18	0	3 10	01 411	2 8	9 1	9 6	00
LE.			E P	8.5 12.5 119	6110	8 7.5 11.0 119	6110	// 0	30/ 5	0	12.0 17.0 105	0/	P.0 14,5 105	0/0	0/0	0/0	85 120 115	7.0 10.5 121	8.5 11.0 119	3115	F.S 11.5 117	5//3	1/5	5/17	9.5 13.5 119	9.5 120 119	8.5 12.0 119
P			P F	5,	0//0	1//	10.0/3.0	* 19	11.5 15.5	0 18	1.01	,5/	41		5,	4.5 13.	12	0 10.	5,	S11 06 5	5///	8.0 11.5	8.5 11.5	9.0 13.5	5/3.	12	1/2
S			P/ 7C	6	0.8	8 7.	0/ 9	*/	7	5.	* 3	*	15/	13 14 11.0	70.	*6.	6 4	6 3	6	6	io*	5	6	6 9	6 9.		2
3		051	Du	7	2	7	7	7	14		2	0/	2	5	15/14	, //	7 0/		7 7	5 //	9	7	7	2	9	9	7
₹			Fam	140	140	140	140	_	132	30 /	130 1	130 /	132	34/	132	132 /	136 /	100	104			138		138		138	
œ			E E	1.0.1	1.0 //		3.5	3.0	30 /	9.3	0.9	5.0 /		3,57	3.0 /	/ 01//	2.5	0.1	1.0/	11.0 /	0.		, 0.		5.	1.0 /	/ 0./
MONTH-HOUR VALUES OF RAD			DX Vdm Ldm	8.0 11.0	8.0	9.0 13.0	10.0 13.5	10.0 13.0 140	10.0 130	140 180 130 13	12.0 16.0	11.0 15.0	10.5/4.0	10.5 13.5-132	10.0/3.0	8.0 11	9.0 12.5	8.5 11.0 MO 10	11.0 14.0 140	9.0/	8.0 11.0 138	7.0 10.0	8.5 11.0 138	9.0 12.0	8.510.5 138	8.5	8.0 Tro 140
T		3	70	7	2	3	~	7	~	~	12	3	7	*	2	7	2	7	* ~	~	~	7	7	7	7	2	+ 50
H		.013	<b>n</b> 0	γ	ĸ	3	7	2	2	7	7	,2			2	7	~	7	8	~	~	n	4	ベ	ď	٦	٦
ON			Fam	162	162	02 161	09/	04 160	851	7.51 90	157	1.5/	157	10 15-1	15-9	160	162	14 164	164	19/ 91	17 /63	162	160	09/	21 160	79	23 162
Σ	(TS.	اد (٦	noH	8	ō	02	03	04	05	90	07	80	60	0	E	12	13	4	15	91	17	8	6	20	21	22	23

 $D_{u}$  = ratio of upper decile to median in db  $D_{\mathcal{R}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voitage in db below mean power Ldm = median deviation of average logarithm in db below mean power

Station Ohira, Japan Lat 35.6N Long, 140.5 E Month June	Frequency (Mc)	10	Du De Vem Lem Fam Du	8 4 7.0 125 63 6 8 45 90 60, 8 6 40 75 47 4 4 30 75 26 2	6 6 75 120 61 6 4 40 80 58 7 8 40 90 46 6 6 3.0 55 24 4	8 6 8.0 145 61. 6 4 5.0 8.5 58 6 2 4.0 7.5 45 2 4 4.5 7.5 24 3	7 7 80 555 61 6 4 50 80 59 3 5 5.0 80 39 6 2 4575 24 2	10 6 3.0 4.5 3.9 7 6 4.5 7.0 5-6 4. 4 3.5 6.0 40 7 3 3.0 5.5 04 0	8 4 5.0 7.5 45/1 4 40 6.0 50 4 6 4.0 70 39 4 4 3.5 5.0 24 2	11 3 6.5 1/5 39 17 2 50 80 42 5 6 35 6.0 37 5 4 30 6.0 04 2	10 5- 5.0 8.0 37 20 2 45 6.0 38 10 6 6.0 9.0 35 6 6	10 2 1.5 5.0 33 10 2 40 55 36 7 4 6.0 70 34 2 6	40 85 33 6 2 45 60 34 2 4 20 000 29	3.0 6.0 33 51 51 5.0 9.0 27 3.0 4 2	6 4 00 90 35 5 5 0 30 30 4 3 5.575.8 BE 3 0.5 0.5 6 15 15 15 10 10 10 10 10 10 10 10 10 10 10 10 10	8 8 80 120 33 4 2 6.0 85 32 9 7 5.0 75 27 9 4 30 55 04 2 3	1, 4 5.0 75 33 9 1 4.5 75 33 9 5 3.0 65 29. 4 5 2.5 5.0 24 4 2	24 4 50 80 33 10 2 50 70 34 7 8 4565 33 4 8 20 40 24 6 2	14 5 45 85 33 8 0 45 60 36 13 6 60 90 33 8 6 40 65 26 2 4	22 4 5.5 85 36 23 3 38 12 8 40 6.0 37 4 4 3.5 6.5 36 5 2	16 4 45/20 39 24 2 40 70 49 10 9 555 80 41 3 4 45 75 28 4 3	18 4 4.0 80 43 14 4 49 6 4 5.0 80 43 5 5 4.5 80 28 4 4	10 5 70 115 51 8 450 80 58 6 2 3,0,70 46 3 4 4,0 6.0 28 4 4	6 4 5.5/05 58 5 3 2.0 4.0 68 2 7 6.0 9.0 45 6 3 4.0 6.0 26 4 2	9 3 6.0 100 61 4 7 1.5 5.5 70 5 6 47 3 5 3.0 6.0 26 5 2	4 6.0 9.5 - 162 3 6 6.0 6.0 6.8 4
Lat. 35.6N		ĽΩ	Vdm Ldm Fam Du	4.5 9.0 60 8	40 80 58 7	5.0 8.5 58 6 2	5. 8 90 59 3 5	4.5 7.0 5-6 4 . 4	4.06.0 50 4.6	5.0 8.0 42 5 6	45 6.0 38 10 6	4.0 55 36 7 4	45 60 34 2		5.0 2.0 32 4 3	6.0 85 32 9 7	75 33 9	5.0, 7.0 34 7	4.5 6.0 36 13	138 12	4.0 7.0 44 10	h 9 6th	5:0 8:0 58 6	2.0 4.0 68 2	1.5-5:5 70 5	6.0 8.0 68
Ohira,		2,	DC Vdm Ldm Fam Du	4 7.0 12.5 63 6	6 7.5 12.0 61 6	6 80 MS 61. 6	7 80 15.5 61 6	6 3.0 4.5 5-9 7	4 5.0 7.5 45 11	6.5 11.5 39 17	10 5 15 0.0 0.2 20 -20 -	2 1.5 5.0 33 10	8.5 33 6	6.0	4 2.0 4.0 35 5	8 80 120 33 4	4 5.0 7.5 33	4 5:0 8:0 33 10	5 45 85 33 8	4 5.5 8.5 36 23	4 45 10.0 39 24	4 4.0 6.0 43 14	8 1-2 211 05 2	4 5.5/05/58 5	3 6.0 10.0 61 4	4 6.0 9.5 62 3
RADIO NOISE		160	Du De Vam Lam Fam	5 3 7.0 125 82	6 5 8.0 13.0 82	8 58 241 0.6 8 2 801	7 97 3 90 15.5 79 7	99 13 4 7.5-13.0 64 10	88 18 13 9.5 15.0 66 8	8 16 12 10.5 17.0 64 11	90 14 15 10.0 18.0 67 10	16 14 11.0 16.0 66	12.5 20.0 66		10 10 14.5 19.0 66	11 13 7.5 10.0 70	10 14 7.011,5 66	90 10 12 80 120 66 24	9 13 7.0 12.0 67	18 11 75 115 66	13 8 6.5 9.0 68 1	4 8 10.017.0 68	100 6 9 100 160 66 10	8 3 7.0 12.0 50	8 2 8:0 14:0 82	0 3 4 6.0 10.5 88 6
MONTH-HOUR VALUES OF RADIC		. 051	Fam Du De Vam Lam Fam	131 5 5 6.5 150 107	801 2.5/0.8 4 4 18.0	2 4 40 135	4 2 9.0 14.0	4 4 705 75.51	6 4 10.5 120	88 201 7.01 4 8 911	8 7 705 79.0	121 4 12 12.5 16.5 88	0/ 9	121 730 190 181	123 4 6 12.0 18.0 86	8 8 12.31 0.51 89	11	ASS 8 7 9.0 15.0 9.	126 7 7 7.0 12.0 90	126 9 7 6.5 12.0 90	125 6 8 5.5 11.0 84	121 8 6 45 95 99	6 4 8,5 12.5	6 5	13/6 4 \$ 0110 108	131 4 3 90 130 109
ONTH-HOUR	(TS	. 013	로 Fam Du DA Vdm Ldm Fam Du	00 157 2 3 10.0 14.0 131	01 157 2 4 95 140 131	02 155 4 2 45 125 131	03 157 2 2 9,5 14.0 131	761 0.51 201 4 LO 51 15.0 127	4 4 1 25/ 30 14.0 Del	1 051 59 4 4 10.5 150 1	14 5.51 0.11 8 8 751 70	16/ 5/15/12/ 2 7 1/5/ 121	911 0.16 0.41 2 4 -221 80	10 753 7.0 16.0 1	11 155 2 6 120 17.0 123	12 155 6 4 12.0 175 123	13 155 4 4 120 160 123	14 155 4 2 11.0 16.0 4	15 157 4 4 4 85 #30 6	16 15-8 4 3 7.5 12.0 126	17 157 4 2 7.5 115 11	161 601 00 2 4 721 81	19 155 4 2 70 100 133	20 157 4 4 800 120 129	21 158 3 3 90 125 131	22 157 2 2 45/35/131

 $F_{\rm Gm}$  = median value of effective antenna noise in db above ktb  $D_{\rm u}$  = ratio of upper decile to median in db  $D_{\rm g}$  = ratio of median to lower decile in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

				-		1		. 1						. 1				—т									
-1			Vdm Ldm	* %	3.0	* *	2.0	3		* m	4.2	4 %	₹ W.	* 5	2.5	3	*~	, v.	* %	+ ~;	+W	4.0	*~	+ %	2.5	+ m	2.5
19 61			Vdm	+ 0.	1.0	1.0	0.5	1.0	¥.	+3	· ×	+2	4.6	+ 3	1.0	1.0	+ 7	2.0	1.5	£ 4°	+ 8	12.	* \	+7	7.5	13	1.0
		20	70	7	-	76	7	7	3						7	d	7	~	7	7	2	72	7	~	જ	¥	٥
į		2	P	3	W	m)	4	0	3						٦	10	7	4	*	7	3	Μ	9	0	0	7	m
July			Fam	23	23	2	٤٦	23	23	* X	200	**	44	48	23	23	2	25	25	27	47	7	27	26	25	25	23
1			Ldm*	0.9	6.0	8.5	2.0	5.5	6.0	9.5	2.0	7.0	9.5	4.0	5.0	3.0	5.5	6.0	15.0	5	5.5	5.5	6.0	5.0	45	6.5	50
Month			Vdm*	4.0	, S. X	3.51	5.0	4.0	3.0	7.0	5.0	9.5	7.0	2.0	15.8	0.0	3,5	0 %	35,	4.0	3.0	30	0%	30	15.	4.5	30
₩ W			DE	~	7	~	1	7	7						9	4	12	7	~	7	2	~	~	2	7	>	7
ഥ,		9	no	7	~	7	2	2	3						3	0	7	0	J	3	7	~	*	6	2	2	3
0.5			Fam	46	46	7 7	0 %	40	40	30	36	33	3.	°0 ~~	38	38	27.	30	34	38	4	45	42	25	46	46	46
140.			Ldm F	التنا		9.0	8.0	9.0	11.5-	0.0/	0	\$ 0.6	10.5	8.0	1.00	6.5,		10.0	10.5	75.	-S.00	8.0	8.0	7.5'	9.0	45.	3
ong.			Vdm*	45 20	5:0 8.0	10	5.0 8	5.0 9	6.5	6.5 10	9.5 12	7.5- 9	8.0 /1	6.0 8	5.5	5.5	7.0 10.0	8.010	8.0 16	5.0 /	5.0	0.50	6.0 8	4.5 7	6.0 9	3.5 4	3.0
35.6 N Long.			De Ve	7	٦,٠	9	5,		20	9	0	-	00	- '9		~	00	30	00	5	5	2.	11 6	Q Q	4	13	e e
.61		2	Du [	7		7 7	4 5	7 3	7	~	-					0	و		7	5	0	5	5/	2	7	3	0/
			Fam D		6					47	~	6	7	35	35	33 8	35- (	33 10	37 1.			-	61 3	69	7,	73	63 /
Lat.		-		190	5-9	0 59	0 59	10.5 5-9	653		11.5 43	39	37	=			_			040	t+ 5	S	7.0 6			7.0 7	7.0 6
- 1			* Ldm	0.80	0.6	0.01.0	5 10.0		0.11	9.0 130	0 //	5 9.0		0 8.5	5-8.0	0.6	0 8.5	5-8.0	6.0 8.0	0/1/0	0 11.5	0 13.0		0 5.5	3 70		
			De Vam	5.0	5.0	6.0	5.5	2.0	7.0		ض	6.5	3,	4.0	5,5	7.5	6.0	5.5		2.0	10.0	%	4.0	30	5 40	4.0	40
pan	æ	2.5		9	٦	~	٦	2	2	3							~	٦	~	9	7	0//	6	9		*	2
Station Ohira, Japan	(Mc)		n Du	9	9	15.5	9	0	و	7 ~					_	\a	~	10	44	3	9	14	00	5	3	2	3 4
ira	_		Fam	65	63	79	19	1	19	43	39	33	38	35-	33	**	35	35	35	39	43	49	5.6	9	63	63	0
히	Frequency		- Ldm	11.0	10.0	10.5	13.0		9.5	10.0	0.0			11.0		0.0/	9.0		6.0	200	18.5	00	10.0	11.0	12.5	17.0	
o u	edn		√dm	5.0	4.0	5.0	6.0		5.0	10	6.5,			5.9		6.0	2,2		12.52	16.5	140	45	9	0.9	2.0	11.0	
Stat	Ŀ	545	70	7	9	7	7	0	~						9	و	9	7	10	00	2	7	00	و	3	7	2
~		rr )	۵	15,	10	7	01	17	49						9	12	7	તે	20	20	19	17	21	۰	7	00	00
	}							- 0	77	1	2	~	60 4	67	00	20	20	2	73	20	72	18	0		200	8	90
			Fam	48	20	84	2	20	3	4 2	2	62	, 0	_	_	_		_			,,,		%	84	-0		
SE					12.0	13.0	13.0 P2	13.0		e <sub>zk</sub>	21.0 27	6.8	7	19.5	_	16.0	15.0	18.0	12.5	18.5	0.0	10.0%	19.0	11.5 84	130	12.5	10.5
VOISE				11.0	12.0	13.0		13.0	7.5 14.0 6	e <sub>z</sub>	21.0	64	,	12.5 19.5	11.0 17.0	10	0.0 15.0	11.0 18.0	7.0 12.5	13.0 18.5	5.5 9.0	0.2%	19.0	11.5	/3.0	6.0 12.5	5.5 10.5
O NOISE		09	D& Vdm Ldm Fam			1 6.0 13.0	13.0		14.0	16		6.5	7	12.5 19.5	_	8 10.5-16.0		11 110 18.0		_				-		3 6.0 125	4 5.5 105
		. 160		7.0 11.0	5.5 /2.0	1 6.0 13.0	6.0 13.0	6.0 13.0	7.5 14.0		14.5 21.0	63	2	12.5 19.5	_	10.5-16.	0.0	11.0	0 7.0	13.0	5.5 9.0	170 0%0	12.0 19.0	5.11 -5.5	7.0 13.0	000	6 4 5.5
RADIO NOISE		•	Du De Vam Lam	6 4 7.0 11.0	6 5 5.5 12.0	4 4 6.0 13.0	4 6.0 13.0	4 6.0 13.0	8 7.5 14.0	1,6	10 145 21.0			2.51	_	8 10.5-16.	, so	94 19 11 11.0	18 10 7.0	18 13 13.0	14 11 5.5 9.0	20 18 170 020	11 5 12.0 19.0	6 4 55 115	6 7.0 13.0	110 3 3 6.0	4 515
RADIO		•	Du De Vam Lam	6 4 7.0 11.0	109 6 5 5.5 12.0	4 4 6.0 13.0	111 4 4 6.0 13.0	105 8 4 6.0 13.0	9, 16 8 7.5 14.0	95 19 16	93 22 10 145 21.0		43	18.0 41 12.5	92 11.0 17.0	180 90 15 8 10.5 16.	95 8 8 8.0	94 19 11 11.0	18 10 7.0	97 18 13 13.0	93 14 11 5.5 9.0	20 18 170 020	11 5 12.0 19.0	6 4 55 115	111 2 6 7.0 130	110 3 3 6.0	109 6 4 5.5
RADIO		•	Du De Vam Lam	120 109 6 4 7.0 11.0	7.0 109 6 5 5.5 12.0	15.0 109 4 4 6.0 13.0	11. 4 4 6.0 13.0	105 8 4 6.0 13.0	9, 16 8 7.5 14.0	95 19 16	185 93 22 10 145 210		43	18.0 41 12.5	92 11.0 17.0	180 90 15 8 10.5 16.	95 8 8 8.0	13.0 94 19 11 11.0	125 95 18 10 70	14.0 97 18 13 13.0	93 14 11 5.5 9.0	20 18 170 020	11 5 12.0 19.0	12.0 109 6 4 55 115	111 2 6 7.0 130	110 3 3 6.0	109 6 4 5.5
RADIO			DZ Vdm Ldm	6 4 7.0 11.0	109 6 5 5.5 12.0	4 4 6.0 13.0	111 4 4 6.0 13.0	8 4 6.0 13.0	16 8 7:5 14.0	19 16	11.5 18.5 93 22 10 14.5 21.0			261 16	92 11.0 17.0	90 15 8 10.5-16.	000	94 19 11 11.0	18 10 7.0	97 18 13 13.0	14 11 5.5 9.0	20 18 170 020	12.0 19.0	6 4 55 115	2 6 7.0 130	3 3 6.0	6 4 5.5
RADIO		•	De Vam Lam Fam Du De Vam Lam	7.0 12.0 109 6 4 7.0 11.0	7.0 109 6 5 5.5 12.0	2 8.0 15.0 109 4 4 6.0 13.0	2 9.0 11.1 4 4 6.0 13.0	4 8.0 N.S 105 8 4 6.0 130	4 9.5 16.5 91 16 8 7.5 14.0	9 11.0 18.0 95 19 16	185 93 22 10 145 210		43	18.0 41 12.5	92 11.0 17.0	8 11.0 180 90 15 8 10.5-16.	9.0 15.5 95 8 8 8.0	8.0 13.0 94 19 11 11.0	7.0 125 95 18 10 7.0	14.0 97 18 13 13.0	7 65 11.0 93 14 11 55 9.0	12 7.0 12.0 103 20 18 170 26.0	9 8.0 140 103 11 5 13.0 19.0	6.5 12.0 109 6 4 55-11.5	8.0140 111 2 6 7.0 130	6.0 11.5 110 3 3 6.0	109 6 4 5.5
RADIO			De Vam Lam Fam Du De Vam Lam	2 4 70 120 109 6 4 7.0 11.0	40 70 109 6 5 5.5 12.0	4 2 8.0 15.0 109 4 4 6.0 13.0	6 2 9.0 11.0 11.1 4 4 6.0 13.0	7 4 8.0 MS 105 8 4 6.0 130	5 4 9.5 16.5 91 16 8 7.5 14.0	12 9 11.0 18.0 95 19 16	6 10 115 185 93 22 10 145 210	43	14.0 19.5 92	11.5 18.0 91	62 11.0 17.0	4 8 11.0 180 90 15 8 10.5-16.	4 6 9.0 15.5 95 8 8 8.0	6 4 80 130 94 19 11 11,0	8 8 7.0 125 95 18 10 7.0	8.0 14.0 97 18 13 13.0	13 7 65 11.0 93 14 11 5.5 9.0	16 12 7.0 12.0 103 20 18 170 26.0	12 9 80 140 103 11 5 120 190	2 7 6.5 12.0 109 6 4 55-11.5	5 4 80 140 111 2 6 7.0 130	5 3 6.0 11,5 110 3 3 6.0	7 3 75 135 109 6 4 55
RADIO			De Vam Lam Fam Du De Vam Lam	2 4 70 120 109 6 4 7.0 11.0	40 70 109 6 5 5.5 12.0	13, 4 2 8.0 15.0 109 4 4 6.0 130	131 6 2 9.0 11.0 11.1 4 4 6.0 13.0	129 7 4 80 145 105 8 4 6.0 130	127 5 4 9.5 16.5 91 16 8 7.5 140	124 12 9 11.0 18.0 95 19 16	125 6 10 115 185 93 22 10 145 210	123	43	12.51 18.0 91 12.51	127 11.0 17.0	127 4 8 11.0 180 90 15 8 10.5 16.	4 6 9.0 15.5 95 8 8 8.0	127 6 4 80 130 94 19 11 11.0	129 8 8 70 12.5 95 18 10 7.0	1,30 8.0 14.0 97 18 13 13.0	128 13 7 65 110 93 14 11 55 9.0	127 16 12 7.0 12.0 103 20 18 170 26.0	127 12 9 8.0 140 103 11 5 12.0 19.0	133 2 7 6.5 12.0 109 6 4 55-11.5	132 5 4 80140 111 2 6 70 130	5 3 6.0 11,5 110 3 3 6.0	7 3 75 135 109 6 4 55
RADIO			De Vam Lam Fam Du De Vam Lam	2 4 70 120 109 6 4 7.0 11.0	40 70 109 6 5 5.5 12.0	85 1314 2 8.0 15.0 109 4 4 6.0 13.0	16.0 131 6 2 9.0 16.0 111 4 4 6.0 130	129 7 4 80 145 105 8 4 6.0 130	127 5 4 9.5 16.5 91 16 8 7.5 140	124 12 9 11.0 18.0 95 19 16	125 6 10 115 185 93 22 10 145 210	123	14.0 19.5 92	12.51 18.0 91 12.51	105 127 52 11.0 17.0	127 4 8 11.0 180 90 15 8 10.5 16.	4 6 9.0 15.5 95 8 8 8.0	127 6 4 80 130 94 19 11 11.0	129 8 8 70 12.5 95 18 10 7.0	120 130 80 14.0 97 18 13 13.0	135 128 13 7 65 110 93 14 11 555 9.0	127 16 12 7.0 12.0 103 20 18 170 26.0	127 12 9 8.0 140 103 11 5 12.0 19.0	133 2 7 6.5 12.0 109 6 4 55-11.5	132 5 4 80140 111 2 6 70 130	5 3 6.0 11,5 110 3 3 6.0	7 3 75 135 109 6 4 55
RADIO		.051	De Vam Lam Fam Du De Vam Lam	8.0 14.0 131 2 4 7.0 12.0 109 6 4 7.0 11.0	9.0 15.5 \$ 131 4.0 70 109 6 5 5.5 12.0	85 1314 2 8.0 15.0 109 4 4 6.0 13.0	16.0 131 6 2 9.0 16.0 111 4 4 6.0 130	11.0 16.5 129 7 4 8.0 W.S 105 8 4 6.0 130	100 16.0 127 5 4 9.5 16.5 91 16 8 7.5 14.0	12 9 11.0 18.0 95 19 16	6 10 115 185 93 22 10 145 210	123	14.0 19.5 92	11.5 18.0 91	127 11.0 17.0	4 8 11.0 180 90 15 8 10.5-16.	6 9.0 15.5 95 8 8 8.0	10.0 15.5 127 6 4 80 13.0 94 19 11 11.0	2.0 12.0 129 8 8 7.0 125 95 18 10 7.0	7.0 12.0 130 8.0 14.0 97 18 13 13.0	2,5 135 128 13 7 6.5 11.0 93 14 11 555 9.0	4.0 7.0 127 16 12 7.0 12.0 103 20 18 170 01.0	12 9 80 140 103 11 5 120 190	7.0 11.0 133 2 7 6.5 12.0 109 6 4 55 115	90 145 132 5 4 80 140 111 2 6 70 130	5 3 6.0 11,5 110 3 3 6.0	82-140 1317 3 75 135 109 6 4 55
RADIO			Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam	2 8:0 14.0 131 2 4 7.0 12.0 109 6 4 7.0 11.0	3 9.0 155 \$ 131 40 70 109 6 5 5.5 12.0	5- 6.0 8.5 131 4 2 8.0 15.0 109 4 4 6.0 130	4 105 160 131 6 2 90 16.0 111 4 4 6.0 13.0	3 11.0 16.5 139 7 4 8.0 14.5 105 8 4 6.0 130	9 100 16.0 127 5 4 9.5 16.5 91 16 8 7.5 14.0	124 12 9 11.0 18.0 95 19 16	125 6 10 115 185 93 22 10 145 210	123	14.0 19.5 92	12.51 18.0 91 12.51	105 127 52 11.0 17.0	127 4 8 11.0 180 90 15 8 10.5 16.	4 6 9.0 15.5 95 8 8 8.0	4 10.0 15.5 127 6 4 8.0 13.0 94 19 11 11.0	2 20120 129 8 8 70 125 95 18 10 70	4 7.0 120 130 8.0 14.0 97 18 13 13.0	4 75 135 128 13 7 65 11.0 93 14 11 55 9.0	2 4.0 7.0 127 16 12 7.0 12.0 103 20 18 170 28.0	127 12 9 8.0 140 103 11 5 12.0 19.0	6 70110 133 2 7 65 12.0 109 6 4 55-115	2 90 145 132 5 4 8.0140 111 2 6 7.0 130	2 8.5 130 131 5 3 6.0 11.5 110 3 3 6.0	0 8,5/40 13/7 3 7.5/35 109 6 4 55
RADIO		.051	Du Dx Vdm Ldm Fam Du Dx Vdm Ldm Fam Du Dx Vdm Ldm	6 2 8:0 14.0 131 2 4 70 12.0 109 6 4 7.0 11.0	5 3 9.0 15.5 \$ 31 4.0 70 109 6 5 5.5 12.0	5 5 6.0 8.5 314 2 8.0 15.0 109 4 4 6.0 130	4 4 105 16.0 131 6 2 9.0 16.0 111 4 4 6.0 13.0	3 3 11.0 16.5 129 7 4 8.0 145 105 8 4 6.0 130	5 9 100 16.0 127 5 4 9.5 165 91 16 8 7.5 14.0	1110 170 124 12 9 11.0 18.0 95 19 16	140 200 125 6 10 11.5 18.5 93 22 10 145 210	4.5 21.0 23	123 140195 492	10.0 16.5 145 11.5 18.0 91 12.5	70 05 127 43	15.5 210 127 4 8 11.0 180 90 15 8 10.5 16.	105 170 127 4 6 9.0 15.5 95 8 8 8.0	2 4 10.0 KS 127 6 4 80 13.0 94 19 11 11.0	4 2 7.0 12.0 129 8 8 7.0 12.5 95 18 10 7.0	2 4 7.0 120 130 80 140 97 18 13 13.0	2 4 7.5 135 128 13 7 6.5 11.0 93 14 11 55 9.0	4 2 4.0 7.0 127 16 12 7.0 12.0 103 20 18 170 26.0	2012.0 127 12 9 8.0 140 103 11 5 12.0 19.0	2 6 7.0 11.0 133 2 7 65 12.0 109 6 4 55-115	4 2 90 WS 132 5 4 80 140 111 2 6 70 130	2 2 85 130131 5 3 6.0 115 110 3 3 6.0	4 0 8/2/40 1317 3 75/35 109 6 4 55
	(LS	.013 .051	Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam	2 8:0 14.0 131 2 4 7.0 12.0 109 6 4 7.0 11.0	3 9.0 155 \$ 131 40 70 109 6 5 5.5 12.0	5- 6.0 8.5 131 4 2 8.0 15.0 109 4 4 6.0 130	4 105 160 131 6 2 90 16.0 111 4 4 6.0 13.0	3 11.0 16.5 139 7 4 8.0 14.5 105 8 4 6.0 130	9 100 16.0 127 5 4 9.5 16.5 91 16 8 7.5 14.0	124 12 9 11.0 18.0 95 19 16	125 6 10 115 185 93 22 10 145 210	123	14.0 19.5 92	12.51 18.0 91 12.51	70 05 127 43	127 4 8 11.0 180 90 15 8 10.5 16.	4 6 9.0 15.5 95 8 8 8.0	4 10.0 15.5 127 6 4 8.0 13.0 94 19 11 11.0	2 20120 129 8 8 70 125 95 18 10 70	4 7.0 120 130 8.0 14.0 97 18 13 13.0	4 75 135 128 13 7 65 11.0 93 14 11 55 9.0	2 4.0 7.0 127 16 12 7.0 12.0 103 20 18 170 28.0	127 12 9 8.0 140 103 11 5 12.0 19.0	6 70110 133 2 7 65 12.0 109 6 4 55-115	2 90 145 132 5 4 8.0140 111 2 6 7.0 130	2 8.5 130 131 5 3 6.0 11.5 110 3 3 6.0	0 8,5/40 13/7 3 7.5/35 109 6 4 55

 $f_{om}$  = median value of effective antenna noise in db above ktb  $D_u$  = ratio of upper decile to median in db  $D_{\mathcal{L}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

RN-13

USCORMUNES.- PL

															五	nba	Frequency		(Mc)								-									
.013051		16	16	16	16	160	160	160	160	a	1			5,	545				2	25				5	Ī	7	,	}	2				20	-	-	
Fam Du De Vam Lam Fam Du De Vam Lam Fam Du D	DL Vdm Ldm Fam Du DL Vdm Ldm Fam Du	Fam Du De Vam Lam Fam Du	Fam Du De Vam Lam Fam Du	Du De Vam Lam Fam Du	Fam Du	Fam Du	Fam Du	ρņ		0	~	De vam Lam	F Gm	D <sub>O</sub>	2a	Vdm	mb l r	Fam.	n <sub>O</sub>	J <sub>Q</sub>	*mp/	-dm	Fam	na	20	√dm /	Ldm F	Fam	۵ ۳۵	Dr Vam	Ldm,	Fam	Du	D & V	Vdm Lo	Ldm
157 4 4 4 00 150 133 9 4 10.0 170 114 5 7	10.0 15:0 133 9 4 10.0 17.0 114 5	150 133 9 4 10.0 170 114 5	133 9 4 10.0 17.0 114 5	9 4 10.0 17.0 114 5	10.0 17.0 114 5	17.0 114 5	17.0 114 5	کم		7	a	9.0 15.	06 -5:51	21	0/	9	0.4.0	070	0/	?	2.0	a://	57	•		6.0	8.5- 4	43 /	1	3 20	4.0	7	~	* 0	* 0.0 * &	0
157 4 4 130 195 135 7 5 8.0 130 112 6 5	4 130 195 135 7 5 8.0 13.0 112 6	195 135 7 5 8:0 13:0 112 6	135 7 5 8.0 13.0 112 6	7 5 8.0 13.0 112 6	8.0 13.0 112 6	8.0 13.0 112 6	112 6	9		15	_	10.0 18.5	5. 92	~	7	11.5	0.0%	0 9 0	٥/	1,3	6.0	12.0	5	2	=	5.0 8	8.0 4	sh	9	0.1	2.5	75	7	70	0.5 x.0	0
136 3 8 100 200 114 4 8	10.5-18.0 136 3 8 10.0 00.0 114 4 8	136 3 8 100 200 114 4 8	136 3 8 100 200 114 4 8	3 8 10,0 20,0 114 4 8	8 4 HI 0.00 0.01	8 4 411 0:00	8 4 11	8 7	00		-30	8.5 17.	17.5 90	0/0	00	10.0	17.0	09	01.0	11	8.0	13.0	57	-3	10	5.0 8.	0	44	4	7	2.5	25-	~	70	0.5 2.0	0
7.0 135 6 4 9.5 16.0 112 6 6	11.5 7.0 135 6 4 9.5 16.0 112 6 6	17.0 135 6 4 9.5 16.0 112 6 6	135 6 4 9.5 16.0 112 6 6	6 4 9.5 16.0 1/2 6 6	9.5 16.0 112 6 6	16.0 112 6 6	112 6 6	6 6	0		40	8.5 17	17.5 90	0 0	0/	5.11	77.5	77 5	*	61	2.0	0.01	3-6	15	5	6.5/	4 0.01	1 / 1	3 4	1 3.0	60	757	2	70	+ 2.5.	0
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F = median value of offertive antenna noise in the shows with	in value of effective antenna noise in dh above 14th	e of effective antenna noise in db above k+h	factive optend noise in db chove kth	antenna noise in db above ktb	of nelse in db above ktb	se in db above ktb	th shows kth	we kth	ءِ																											

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Lat. 35.6 N Long. 140.5 E Month August

Station Ohira, Japan

MONTH-HOUR VALUES OF RADIO NOISE

 $F_{\rm om}$  = median value of effective antenna noise in db above ktb  $D_{\rm u}$  = ratio of upper decile to median in db  $D_{\rm g}$  = ratio of median to lower decile in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

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 $F_{om}$  = median value of effective antenna noise in db above ktb  $D_{u}$  = ratio of upper decile to median in db  $D_{\mathcal{K}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of overage logarithm in db below mean power

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246  246  246  94 15 7 90 13 10 64  94 15 5 6 64  94 15 5 7 86 14 6 64  94 15 5 7 86 14 6 64  94 15 10 8 9 16 16 16  94 15 10 8 9 15 6 64  94 15 5 7 86 16 7 8 16  94 15 10 8 9 16 16  94 15 10 8 9 16 16  94 15 10 8 9 16  95 14 16 8 9 2 3  95 14 16 8 9 2 3  95 14 16 8 9 15 16  95 14 16 8 9 15 16  95 14 16 8 9 15 16  95 14 16 8 9 15 16  95 14 16 8 9 15 16  95 14 16 8 9 16 16  95 14 16 96 15 16  95 14 16 96 16  95 15 16 16  95 16 16  95 16 16 16  95 16 16 16  95 16 16 16  95 16 16 16  95 16 16 16  95 16 16 16  95 16 16 16  95 16 16 16  95 16 16 16  95 16 16 1	MONTH-HOUR VALUES OF RADIO	오	5	~	MAL	.UES	P	2	ADI	_	NOISE	LLI.		Station Pretoria, S. Africa	Pa U	reto	ria, S.	S. Af	frica		Lat. 2	25.8 S	S	Long.	28.	3 E	2	Month	1	July		9 61	61
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91 7 20 89 10 54 14 10 52 14 9 39 6 5 28 30 90 40 91 14 8 89 12 80 18 12 52 12 8 33 4 4 22 33 4 92 15 9 90 10 10 61 17 7 52 12 10 33 4 3 20 30 95 14 10 88 12 8 62 14 8 52 8 8 30 3 3 3 20 30	10 13 95-17 14		95 17	5 17		14		28	=	00		18		157							30		13		43							~	
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\*\*20 is the lowest measurable value.

Fam = median value of effective antenna noise in db above ktb

 $D_{u}$  = ratio of upper decile to median in db  $D_{g}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

19 61			Vdm Ldn																								
0)		20	70	a	0	0	0	0	0	0	_	7	3	7	~	0	0	7	7	7	ィ	7	2	0	0	0	0
st			Da	16	7	~	44	24	27	20	7	27	17	-9	00	10	8	~	6	15	. /3	15	()	11	17	12	20 22
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4			Ldm																								
onth			Dr Vam Lam																								
ž		10	DE	7	9	9	12	(2)	4	5	7	_	7	~	5	5	3	00	9	6	6	0	6	9	9	7	e
回			Du	_	7	4	5	9	5	9	14	19	~	24	17	17	17	18	18	7	5	2	~	5	3	ری	5
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Ou			Vdm Ldm																								
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Lat. 25.8 5 Long.			Fam	18	15	50	3	51	50	49	38	3/	30	~	31	34	3	31	31	36	38	40	46	8/	200	34	47
			De Vem Lem																								
ric			Vdm																								
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oria			Fam	57	25	91.65	K1 65	57	54 16	S	37	37	37	37	37	37	37	ری	36	39	40	47	53	SS	57	5.5	57
Station Pretoria, S. Africa	Frequency		De Vem Lem																								
드	due	545	V <sub>dm</sub>																								
tatic	Fre	. 55	70	5	00	7	7	4	00	0	0	0		٥	0	0	0	0	0	0	0	10	01	2	9	7	2
S			Du	20	17	17	15'	18	20	27	9	5		2	ィ	ィ	5	00		15	6	15	5	10	1)	01	77
			Fam	Z	85	2	2	29	22	57	57	5	57	57	52	57	57	57	53	57	5-9	72	29	3	18	82	82
NOISE			D& Vdm Ldm Fam																								
ō		9	mp/																				·				
		. 246	7 <sub>Q</sub>	9	h	9	6	10	10	0	0	٥	0	0	0	0	0	0	٥	0	0	4	10	0	8	7	2
ADIO			Du	71	81	/4	17	18	8/	25	20	Z	3	8	14	0/	16	18	~	77	30	25	18	17	۲/		13
RA			Fam	92	90	2	8	88	98	89	89	00	89	69	89	69	18	89	108	68	29	2	80	86	88	90	80
P			Dr Vam Lam Fam																								
			Mp/																								
田		. 113	Za	12	12	7	6	7	7	4	15	4	0	~	0	0	76	12	12	2	. 7	10	00	2	7	2	2
7			Du	15	15	15	16	17	15,	24	27	27	78 30	80 26	78 22	78 22	18	15	83 20	32	3)	88 26	61	00/	15	0/	10
>			Fam	601	103	103	hol	103	103	92	83	83	28	80	70	78	80	83	83	52 32	52 31	88	86	100	103	103	103 10
Œ			DA Vdm Ldm																								
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F			Du	7	15-	15	15'	16	18	15	14	61		20	~	17	0/	10	/3	9	16	11	14	~	15	19	7
MONTH-HOUR VALUES			Fam	117	611	117 15	03 // 7	(11	117	117	07 1/17	601	60/63	10/05	102 21	12 106 17	109	14 109	15 109	11 411 91	111	711	5// 61	11.7	117	22 //5	23 //7 //2
Σ	(TS	ג (ר:	noH	8	ō	8	03	04	05	90	07	08	60	0	=	12	<u>.</u>	4	15	9	17	8	6	20	21	22	23

 $F_{qm}$  = median value of effective antenna noise in db above ktb  $D_u$  = ratio of upper decile to median in db  $D_{\vec{k}}$   $\epsilon$  ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of overage logarithm in db below mean power

2	<u>S</u>	E	MONTH-HOUR VALUES OF RADIO	R	>	AL	.UES	ō	L	ZAE	9	ž	NOISE	1.1	Ś	Station	- 1	taba	Rabat, Morocco	oro	000	-	Lat.	33.9	33.9 N Long.	ong.	6.8	×	Σ	Month		June		19 61	
(TS.																Fre	Frequency	5	(Mc)																
ال (٦		0	13				051				160				.495	5			2	5				73					9				20		
noH	Fam	Du	D& Vdm Ldm Fam	m Ldm	Fan	n Du		Dr Vdm Ldm Fam	dm F	am Du		J. Vdn	D& Vdm Ldm	Fam	Dn	De Vem	dm L	Ldm Fc	Fam Du	=	De Vam Lam Fam	L-dm	Fam	Du	D 1	De Vem Lem	m Fam	m Du		Dr Vam Lam		Fam Du	7 <sub>Q</sub> n	Vdm Ldm	E p-
8	157	4	4		/33	3 10	2		1	115/	13 5			90	20	6		2	3	~			57	7	11		1/6	7	7		~	25 6	٧		
0	01 159	3	۲		133	3 5	7		~	711	7 5	2		87	18	7		9	6 49	6			25	00	h		48	8	7		7	7 57	٧.		
8	02 15-8	5	^		132	5 8	7		<u> </u>	116 7	5 6			68	/3	7		9	64 7	9			85	و	e		84	2	7		3	45- 4	~		
03	157	را	٦		/3/	1 2	2		//	115 5	5 8			85	14	15		7	2 9	7			25	7	7		76	7	2		-6	2-56	78		
04	04 157	3	۲		681	8	7		10	103 13	15- 4			18	61 17	0/		9	6 09	2			376	2	4		44	1	7			اردد	8		
02	05 1/5-7	4	~		7	123 11	~		9	92 24	4 6			19	61 31	~		2	5 9.5	12			50	4	~		40	1 4	9		3	750	7		
90	06 1557	7	ィ		109	11 601	7		8	86 30				53	27	~		.2	50 9	9/			38	00	7		40	4 0	ィ		8	797	3		
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90	154	~	~		115	115 12	9		9.	92 15	15 51	1		63	23	9		40	0 15	5	ļ		76	0/	7		34	) /	2			ا لير	2		
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13	13 157	ィ	e		127	7 7	7		0	81 86	_			73	~	13		~	36 18	7			76	17	9		3	2, 10	9			78	7 3		
41	159	~	7	•	127	016	2		1/	102 13	15/10	0/		1	77	15		m)	34 21	7			28	15	2		37	7 7	9		~	1 60	10 2		
15	157	7	2		?	11/21	5		7/	100 22		2		26	26	19		<u>~</u>	36 19	ک			31	14	2		38	6 8	9			3/	9		
16 47	42	2	~		10	12713	10		1/	10201	1.	7		75	15 29	17		$\sim$	36 23	٦,			38	14	10		44	9 4	9			33	3 5		
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20 157	151	ı	~		3	12913	7			10 111	+	2		88	68 17	7		9	11 49	2			29	11	~		55	20	7			77	70/		
12	151	2	4		/3/	1/0	2		>	114 11	-	7		89	157	9		2	11 19	2			28	00	7		ς	9	7			37	1,2		
22	22 157	2	7		/33	00	4		`	114 11	00			68	81	7		9	609	9			2.5	00	7		48	6 2	7		-	26	1 8		
23	23 157	2	~		/33	3 7	3			11911	9 /			88	77	7		9	6 99	0			28	5	4		47	7 3	3			25	6 2		
4	11	mediar	E. = median value of affective antenna palse in db above ktb	of aff.	retive	ontes	alog pole	a in db	ahow	a ktb																									

 $F_{\rm om}$  = median value of effective antenna noise in db above ktb  $D_{\rm u}$  = ratio of upper decile to median in db  $D_{\cal E}$  = ratio of median to lower decile in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

M	N	-HL	MONTH-HOUR VALUES OF RAD	>	AL	UES	PP	2	AD	<u></u>	NOISE	Щ		Station	ı	Raba	Rabat, Morocco	foroc	000	Lat.	.33.	33.9 N	Long.	6.8	8 W	2	Month		July	6	61	
(TS.														Fre	Frequency	S	(Mc)															
اد (٦		.013		·	0	051			7	160			4	495			7	5.5				2				10			20	0		
noH.	mg.	no no	DX Vdm Ldm	F Gm	n <sub>Q</sub>		Dr Vam Lam Fam Du	Fam	no t	7 <sub>Q</sub>	DZ Vdm Ldm	Im Fam		<b>7</b> 0	Vdm Ldm		Fam Du	Za	Vdm Ldm	dm	Fam Du	\ Z <sub>Q</sub>   I	Vdm Ldm		Fam Du		De Vam Lam	Im Fam	n Du	70	Vdm Ldm	E
00	755/	۲ /		/3/	4	e		114	9	4		87	1 7	8		2	63 7	4		5.	5-8 6			2,	46 2	7		7	~	~		
7 10	75	4 2		/3/	~	7		114	2	h		PS	01	٦,		49	8 5	9		S	58 5	1		7	1 94	~		52	~	0		
02 153	53	2		/3/	イ	اک		114	7	3		84	1	9		9	62 9	~		`1	28 4	2		1	7 74	2		7	γ	べ		
TS 80	7	4		671	7	3		7//	9	~		83	3 8	5		9	62,8	9		.2	566	7			44 8	7		7	-	~		
CS 40	4	7		129	7	•		101		9		83	3 4	٥٥		7	62 5	1		. ~	285	9		2	42 4	^		25,0	_	-		
05 /2	757	٠ ٧		123	~	6		90	0-	\		63	8	~		4	5 92	7		9	52	~		-	1 24	٢		```````````````````````````````````````	7	3		
/ 90	Shi	4 2		811	12	~		80	9	6		6	5	2		*4	*C;			3	44 3	7			38 5	~		25				
841 20	81	7		۲//	6	3		82	7	7		5-5	لى .	9		12	48			~	34 12	7			7 78	~		4	5-	~		
841 80	84	べ		115	9	7		90	9	7		63	7	9		7	42 12	00	-	~	30 10	<i>h</i> . (			32 7	72		26	72	7		
(60	841	4 3		115	7	7		18	10	11		19	ω	9		~	39 7	7		7	28	~			30 5	12		74	01 7	٦		
10 148	_	٦ ٣		1115	8	7		88	9	14		5.6	3 6	7		~	36 4	9			26 10	7			78 4	4		44	4	7		
7	150	γ γ		11.7	2	9		94	00	9		55	4 14	7		۳)	34 6	2		1	24 6	7			26 5	7		7	٦	7		
12 /	150	76 76		119	7	1		92	92 12	6		63	۲/ ۶	4		3	36 10	9		1	1 pr	Υ			26 94	~		74	9 1	~		
13 /	73/	4		(23	7	7		49	K1 49	10		65	5 20	e		\mathrew{\gamma}	34 8	7		~	25/0	5			11 .30	9		76	~	~		
14	152	7		123	6	h		95	95 16	14		63	3 24	7		~	34 9	4			H 98	4		===	30 13	3 5		26	4	~		
15 /	154	7 7		127	00	9		98	81 86	08/		65	7 32	9		~	36 15	. 7			32 15	00			36 10	5 7		78	2 4	~		
7 91	154	2		127	0	9		96	96 20	14		65	127	9		ر,	35-18	7		2	36 16	7/0			38 10	0		30	4	72		
121	15.5	5		127	00	7		97	9717	15		65	-17	00		M	36 17	7		~	39 19	5/3		7	42 6	8 12		30	~	7		
18	451	7		44	0	7		90	24	9		57	5 20	8		1	42 17	9 6		4	46 12	0/2			45 3	3 5		30	-9	7		
19 153	5	3		123	7	7		107	2	8		18	9 1	7		7	01 /15	9		2	54 8	1 6		6	+ 8 h	1		30	9	4		
20 /22	α	7		129	2	2		110	7	9		28	7 7	2		9	62 8	2		3	9 85	2		Ì	15/	7 /		28	7	7		
7   7	र्ऽ/	2		131	7	2		1/5	~	و		87	7 2	7		i	8 77	2		`~	56 10	7		4.	46	3 4		7	4	٦		
22 /	7.57	7		15/	3	7		7)	3	9		87	0	•		2	63 6	4		7	3-8-2	2		4-	44 2	4		70	8	7		
23	रह/	2		131	7	e		1115	73	7		81	12	1		2	9 79	اما		\$	28 4	2			46 2	7		26	4	ィ		
T <sub>D</sub>	E	nedlan v	Fam = median value of effective antenna noise in db above ktb	active	anten	nd noise	db ni	apove	ktb												•											

 $V_{\rm eff}$  = rotio of upper declie to median in debt  $V_{\rm eff}$  = rotio of median to lower declie in db  $V_{\rm eff}$  = median deviation of average voltage in db below mean power Lefm = median deviation of overage logarithm in db below mean power

USCORELARS-FL

		*E	0	10	0	1,5	0	0	(7)	0	10	10	10	0	12	9	5.0	0	0	0	0	15	12	0	0	5:5
		**P7 WP/	5:0	3.5	2.0	5.5	5.0	7.	~	3.0	3.5	2.5	4.5	2	2.5	À		3	3 4.0	5.0	<u>~</u>	w	5	2.	0%	
			3.0	3.5	6.0	4.0	3.5	2.0	7.0	1.0	1.0	4.0	3.5	3.0	4.0	2.0	3.5	1.5	2.0	4.0	1.5	~ 0	7	00	2.5	3.0
	0	70	7	в	3	×							4	0	٦	6	m	ત	7	W	7	3	~	Ż	~	~
	2	Du	7	7	d	d							1	4	4	11	11	11	14	13	7	151	9	4	7	4
		Fam	37	37	37	35	37	35	35-	\$5-	35-	34	35	33	35	36	37	37	37	39	37	37	39	39	37	37
		Ldm	7.5	8.0	4.5.0	*00	75.	7.0	8.0	7.0.	* 10.5	* 5.9	7.5	6.5	7.5'	6.5	7.0	6.0	7.0	4.5	4.0	* 0.	40.7	15	7.0	7.0
		Vdm L	127	5.0 4	3.0	4.0	12	12	4.5	3.5	.5.	3.0	5.0	3.0	3.5	4.0	4.0	2.0	4.0	2.5	10%	*8	* 8	* 0 'S	3.5	0.4
		DZ V	7	و. *	* t	* 0/	*3.	*107	*5	+117	*~0	₩.7	12	6	ر.	12	00		4 4	7	3	* "	1/2	* ′	4	7
	9	D <sub>u</sub>	2	7	ر د	1 4							5	7	7-	00	0	7	8	4	0	8	3	7	4	7
		Fam	54 :	54 "	3	51,6	64	64	15	47	7	41	39 0	39 .	41 6	45	1 84	15	5.3	5.5	55- 1	555	5-6	155	55-	55,
				8.0 8	=	0	4 0	15,	4,2		47		=	_	==	7.0 4			=	0	_					6.0
		m Ldm	1.5 3.0		5 8.0	* 00	+00	*~		0 8.5	0.01 0	0 5.5	0.0/ 0	0 40	0 7.5		5 10.0	\$ 4.5	0 7.5	00	\$ \$ \$	5.6.5	* is	0 7.0	0 7.0	
		De Vem	*	* 0.5	*7.	¥2.	\$3.0	*~		+3	7.0	2.0	5.0	* 2.	0.5	*3.0	* ~	40	4.0	4.0	3.0	35	**	4.0	*×.	3.0
	2		3		00		1						9	7	12	9	8	1 6	8	w	\sigma	و	イ	7	5	1,2
		D <sub>u</sub>	2		0 5		5				\.		15	00	9	7	7	14	15	//	0	2	7	00	19	3
		Form	65	47	2	60	60	64	4	53	* 45	+3	36	35,	37	43	44	47	54	57	65	12	65	65	67	67
		Ldm	2.0	7.5	* 0°	+ 00 N	10.0	10.0	*08	4.0	*00	4-0	40.6	5.0	* %	¥ /0.5	4.0	10.0/	4.5.	\$ 00	8.5	* 9	7.5	7.0	4.5.	0.9
		Vdm	2.5	4.0	4.5,	\$ 50	4.0	7.0	4.5	* 1.2	4,5	* W.	10	2.5	* 7.5.	7.0	*0°	4.0	3.0	4.0	'A'	\$30	2.5	2.5	1×5.	3.0
	'n	7 <sub>Q</sub>	2	00	11	13	/3					000	4	8	00	11	11	77	15	15	00	7	7	ب	7	10
(Mc)	2	ρ'n	9	12	w	9	7					7	7	ケイ	6	01	26	17	23	2%	8/	~	8	00	00	00
1.		Fam	65	1,5	99	64	64	466	53	43	36	200	34	30	36	42	8 1	S	54	09	64	89	70	70	68	68
Frequency		Ldm	13.0	4/0	12.0	11.0	10.5	# 11.0	13.0	4.5	4.5	,201	10.0	*//.5	13.0	10.0	10.0	14,0	4/10	11.0	13.0	13.0	10.0	10.0	9.5	3.0
due		N <sub>d</sub> m	* 00	13.0	45	8.5	8.0	\$ 00	12.0	6.0	4.0	*0° .×,	75	4.5	#1.5	800	8.0	11.5	7.5	40.6	40.	10.0	\$0.0	*00	7.5	5.0
Fre	ري د	7 <sub>Q</sub>	00	00	9	00	9	4	00	e		7	و	8	10	11	01	00	6	0/	81	(3	1	00	6	0/
	54	na	10	h	ィ	7	10	0/	4	9		00	7	8	7	13	/3	べ	77	74	6	15-	6	∞	1	~
		Fam		2	2	820	00	72	20	78	80	80	80	80	18	98	88	89	88	87	24	87	20	00	38	88
				11.0	11.5	4.61	13.0	13.0	8.0	0./;	* 0.41	-	\$.0.2	\$ 0.0	4.15	6.9/	14.0		13.0	/3.5	13.0	12.0	0.17	0.//	6.41	9.5
		mp7 Ndm Ldm	10.01	2.0 /	8.5 //	0	11.0 11.	9.0 /	* 0.9	* 4.0.0/	* 0.0/	15	\$ 0.8	0	* * //	* × //	12.0 1	0.410.01	* 4 10.01	12.0/	*0.	9.5 /	0.0	8.0 //	* 0.11	8.0
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8	2	9	* 11.		2	400	* 0/	* 6	*0.	7 5	9 7	*/	400	* 8/	14	4 6	17 //	*0	3	00	1	*1	00
	246	D <sub>u</sub> C	0	29	7	6	8			8/		8	7	10	181	6 0/	12/	181	14	1 20	191	/3 /				
		Fam D	85	85	83	080	83	81 10	7 12	67 /	67	69		1 69	75 /	85 /	1 18	87	87 3	_		1 68	2/ 68	7 14	11 98	1/
		E					===		12.0 13.0 67				3	9 0	0 7	0 8			8 0	13.0 89	12.0 14.0 89	12.0 8		0 87	17	9.0 14.0 87 10
		Dr Vdm Ldm	4.0 11.0	5 /3.0	13.0 /2.5	# # /0.0 /3.0	10.0 12.0	4.0 4.5	* 0	* 25 8.5	* 11.5 11.5	* 5.5	10.0/	11.0 /3.0	15.0 16.0	8.0 11.0	1.5 /3.5	7.0 11.5	9.5/3.0	(3	1/1	_	11.5	10.0 11.0	9.0 12.5	7 7
		PA Z		5.0		# 0		40.		*46	**	*00		*<								12/5	12 9.0		200	
	1 3		2/		000		7.7		9				7	7	7	10	17	18	// //	7	8/			9	2	0
	-	n Du	8	w	3 7		8		00			_	1	17	17	11	101 16	3 10	2 2	6× 1	00/15	7/9	5 /3	イ	0/2	1/0
		Fam	101	*/03	_	101	101	101	87	*83	* 2°	* 29	18	18	89	93	10	9.0 103	10.	9	10;	10	103	66	105	10
		투	10.0 13.0 104	10.5 /3.5	12.5 14.5	11.0 14.5	14.5	10.0 13.5	13.0	14,0	*/6.5	* 10	17.0	14.0	10.0/4.0 89	12.0	13.0		9.5 12.0 102 21	6.0 10.0 10,0 29	10.0 12.0 105 18	12.0 14.0 102 19	11.0/3.0 105 13	9.5 13.0	10.0 12.5 105	12.0 145 101 10
		DA Vdm Ldm		10.5	12.5	11.0	11.0 14.5	10.0	* * /0.5 /3.0	12.0 /4.0	* //.5	14.0 16.0	15 14.0 17.0	12 12.0 14.0 81	10.0	11 7.0 12.0 93	10.0 13.0	6.0		400		13.0	11.0		10.0	12.0
	051	70	2	0	0	9	9	7				7	15,		8		11	17	6	01 81 921	16 13	10	14	13	77	00
		na	->	و	2	7	7	7	2	7		10	13	108 16	11	116 16	120 14	10	7/	18	16	13	6	00	8	9
		7F B	122		124	122	47/ 40	727	116	114	110	108	801	801	112 17		120	125	16 /26 /2		126	123	126	126	125	23 /23
(T2	د (٦	noH	8	ō	02	83	90	02	90	20	80	60	0	=	12	13	14	15	91	11	8	<u>6</u>	20	12	22	23
																			-							

19 61

Month February

Lat. 23.3 S Long. 45.8 W

Station São José, Brazil

MONTH-HOUR VALUES OF RADIO NOISE

Fam = median value of effective antenna noise in db above ktb

 $D_{u}$  = ratio of upper decile to median in db  $D_{g}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of overage logarithm in db below mean power

Month June 1961		20	Dr Vam Ldm Fom Du Dr Vam Ldm	43	43	43	43	43	43	43	77	43	43	43	43	43	43	43	39	73	43	45	43	05	141	3	43	
45.8 W		10	Du	८	23	64	26	50	64	49	ες	15	23	ঝ	64	18	5.1	S	55	57	27	25	57	5-6	52	5.5	86	
Lat. 23.3 S Long.		ĸ	Fam Du De Vam Lam Fam	63	63	60	5.7	63	(6)	52	73	65	9	23	5.7	55,	5.6	65	65	8-5	63	75-	62	77 .	73	70	2/	-
1	(Mc)	2.5	na	53	رد	S	<u>د</u> ح	5-2	53	7.7	75/2	42	65	4)	٦/ ا	٦,	39	1 / /	5	45	1/5	S3	61	5.5	009	57	27	
Station São José, Brazil	Frequency	545	0	6			~												~	-	3	9.5						
DIO NOISE		. 246	Du Dr Vam Lam Fam	68	98	8	2	2	89	93	95	95	95	6	95	97	66	96	93	95	93	6	6	97	86	86	66	9
MONTH-HOUR VALUES OF RADI			Dr Vam Lam Fam C	95	56	95	97	16	63	180	77	68	68	16	87	86	187	85	84	90	95	95	93	93	66	26	96	Fam = median value of effective antenna noise in db above ktb
HOUR VALI		-	De Vom Lom Fatt Du	801	801	801	111	601	7/17	111	201	hal	105	801	901	104	104	901	105	201	701	. 103	107	801	801	601	011	value of effective anteni
MONTH-	ПЗ	. 051	HOU DO	00 /26	12/ 10	02 129	03 129	04 /3/	05 1/29	06/3/	31/20	17/80	وم/ 60	10 124	11 1/6	12 122	13 /2/	14 123	15 /33	16 127	0 0 / 11	r7/ 81	19 /27	20 /27	21 /27	22 /17	23 /29	Fam = median

 $F_{\alpha m}$  = median value of effective antenna noise in db above ktb  $D_{u}$  = ratio of upper declie to median in db  $D_{\mathcal{K}}$  = ratio of median to lower declie in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

USCOME.NBS-BL

_1			Ldm																								
19_61			Vdm Ldm																								
		20	70	0	~	イ	٦	٦,	K	~	2	~	~	10	3	~	-				و۔	~	7	7	7	$\sim$	4
ust			Da	76	7	~	~	۲	~	~	3	0	2	1/2	1	2	3	1	_	_	7	د-	~	~	7	2	1
August			Fam	ž	32	2	ಸ	32	32	32	2	3	4	33	34	32	34	**	79	<i>†</i> ∞	34	36	36	7	36	33	3
			Ldm Ldm																								
Month		10	De Vem Lem																								_
~			_	00	00	9	10	7	7	ص	9	9		00	/0	00	000	4			10	0	7	9	7	9	2
*			n <sub>Q</sub>	7	9	46 14	00	7	7	8 94	4 75	7 1	0	2	7	7	2	7 9	?	2	7	8	3	7	3	9	2
Long. 45.8 1			m Fam	2.0	50	7	18	40	38	5	3	उ	50	84	7 1	44	46	146	7 7 7	26	3	52	53	52	53	50	160
ng.4			Vdm Ldm																								
			P <sub>A</sub> Z <sub>Q</sub>	۵		9	7	00	0	9	7			8								9	7	7	4		_
3 S		5	ם חת	8/		0/0			2	00		3			9	0	7 9	-9			00	. 10		7		00	7 01
Lat. 23.3 S			Fam D	64	<sup>‡</sup> 63	01 10	1179	62 10	600		7 85	32 6	-	46 6	9 74	7 74	7 7 6	4 44	48	*05	8 09	7 81	68 y	6	7 89	70 2	199
ţ j				-9	*	9	2	2	9	49	7	,-2	*2	7	7	3	7	7	42	<b>*</b> ∠	9	7	9	79	9		9
1			De Vem Lem									-															-
ızil		2.5	N Z	7	0/	01	7	1	16		+		2		00	16	00					23		8	7	-//	7
Station São José, Brazil	3	2	n <sub>Q</sub>	~	1 9	1 81	7	141	101	91	14 14		14		9/	7	Ĉ0					=	17 7		12/	15/	~
sé,	(Mc)		Fam t	57	63	61	63	63 1	65 1	1 65	47 1	39	31	34	7/5	39	33	\$°	40	37	45	58 13	41 14	67 77	1 59	62 /	62/3
o Jo	ζ		Ldm			7	3	->	7		4	*)		*7	2	.,	,		* 0	* ')	* 1	-,		_	9		9
n Sã	Frequency		dm P											į.													
atio	Fre	545	De Vam																			14		00			
ळ		•	۵																			9		1			
			Fam	* -25	63	93	20+	2+	46	33.	52	45-	+3	*6	*0	43	16	23	16	16	89	16	*3;	16	86	\$2,	100
NOISE															`												
ō		9	D. Vdm Ldm																				·				
		. 246	70																			14	a/				
RADIO			na																			13	01				
8			Fam	50/	+05	105	410	100	¥ 104	Sont A	*2	68	24	40	400	*2	*2	£20	84	\$ 2	\$60	9.2	57	10/	400	100	105
J-C			Ldm																								
()			De Vam Lam																								
ÚĚ		113	-																			10	00	00			
AL			no e			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		\.	40		-	,	4.0					_				0/ (	۲	10			
MONTH-HOUR VALUES OF			Fam	*3	* 1.2×	125	¥ ?	*3	1,23	11	404	107	109	108	109	105	401	107	* 103	101	101	501	//3	111	¥2	*2	175
S.			D& Vdm Ldm																								
9		051	up/																								
Ŧ		0.																				7	00	2			
Z			n <sub>m</sub>	2	7	9	-9	00	15	7	8	-9	7	-	2	7	79	7	-0	7	}a	2	9	2	~	-	1
MO	115	7)	Hou	75/ 00	184	02 736	03 736	04 738	5 /35	6 734	7 /28	3 /26	4¢/ 60	10/26	120	4/24	13 726	727	5 /26	5 124	7 25	3 /28	3 /30	20/32	*33	22 134	23 737
	(TS	1) 1	H	ŏ	ō	Ö	0	Ò	05	90	07	80	ő	2	=	12	=	4	15	91	17	18	6	2	2	22	23

 $F_{om}$  = median value of effective antenna noise in db above ktb  $D_u$  = ratio of upper decile to median in db  $D_{\mathcal{K}}$  = ratio of median to lower decile in db  $V_{dm}$ = median deviation of average voltage in db below mean power  $L_{dm}$ = median deviation of average logarithm in db below mean power

USCOMB\_HES-FL

 $F_{\rm om}$  = median value of effective antenna noise in db above ktb  $D_{\rm u}$  = ratio of upper decile to median in db  $D_{\cal E}$  = ratio of median to lower decile in db  $V_{\rm dm}$ = median deviation of average voltage in db below mean power  $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

Σ	8	H	<u>+</u>	JOI	<u>R</u>	>	YL.	JES	MONTH-HOUR VALUES OF RADIC	ĮĻ.	RA	20		NOISE	SE		Sto	noitr	Sin	gap	Station Singapore, Malaya	Ma	laya		Lat.	1.3 N		Long.		103.8	国	Month	ıth.	J	July	<u>-</u>	19 61	
(TS.																	T.	Frequency	nen	5	(Mc)	~																
۱ (۱		013	~				0	051		•		16	0				. 545	10			2	2.5					5				10				2	20		
noH	Fam	Fam Du	M	DA Vdm Ldm Fam	mp	Fam.	Du	70	Dg Vdm Ldm Fam	Ep.	Fam	Du	70	D& Vdm Ldm		Fam D	ם חים	DC Vdm Ldm	Jam Ld		Fam Du	Ja '		Vdm Ldm	Fam	n <sub>O</sub>	70	Vdm Ldm		Fam	Da	DR V	De Vom Lam	m Fam	n Du	De		Vdm Ldm
8	101	•	4	11.5 17.0 139	17.0	139	9	5	10.5/2.0	7.0 /	7	7	~	9.5	6.0 %		5 6	00	80 15:0		62 5	3	6.0	0.01	355	5	γ	6.0	10.0	45	7	7.	4.0 6.5	2- 24	7	7	20	30
О	160	5	છ	11.5 17.0 139	17.0	139	•	7	10.0 17.0	7.0	121	7	5	9.0 1	15.57	95 7		00	8.5 15.0		9 29	12		6.0 11.0	5	2	2	0:5	7.5	43	12	8	4.5 6.	6.5 24	1 1	へ	0.0	3.0
8	02 /1/	2	4	1/10.5 17.0 141	17.0	141	12	5	5 10.0 16.5 121	6.57		15	و۔	9.0 /	17.0 9	95 3	5	8	8.5 15.0 62	0.	7	2	6.0	6.0 10.5	57	ی	7	6.0	9.0	43	76	5 4	4.5 7.0	46 0	1 +	~	2.0	٥
03 /6 /	191	12	2	10.0 16.0 141	16.0	141	4	5	9.5- 16.0	6.0	17/	5	9	1.5.6	17.0 9	93 6	2	_	8.0 14.5		01 01	~	6.5	11.5	5.7	*	٦,	2:5	8.0	7	7	4	4.5 6.0	220	76	0	8.0	٥ ^j
04	04 /13	4	4	4 10.5 17.5 141	17.5	141	-2	2	11.0 17.0 12.1	7.0 %		1-2	7	9.5 /1	16.0	93 (	2	7	9.0 17.5		62 6	4	6.5	6.5 12.5	5.5	9	•	15:5	9.0	37	0	6 3	5.0	دره	7	0	2.0	3.0
02	163	4	6	11.0 18.0 141	8.0	141	9	8	10.5 16.0 117	16.0		0/	8	1/0//	19.0	68	00	* 3	* 1° 5.//	21.5 66	4 9	11	2.0	13.0	5.5	5	00	0.9	8.0	39	9	3	45 6.0	22	3	0	1.5	J.0
06 163	163	~	7	4 10.5 16.5 137	16.5		8	9	911 0.00 2.11	10.00	911	6	1/2	13.5 250 83	500		1 61	17 12	+ 12.5 23	33.5 60	7. 0	6	9.0	S.p1 0.	5-5	, J	9	6.0	10.0	17	7	2	5.0 6.	6.5- 24	~	~	7.	3.5
07	191	5	7	12.0 19.0 135	19.0	135	7	8	111/2.16 0.41	1.5.14		14	51	150 255	=	181	17 21		* 0.0	21.5 49	01 6	//	8.0	14.5	49	12	90	13.6	16.0	43	3	9 9	6.5 10	10.5 24	~	ત	3.0	4.0
80	159	8	γ	2 13.0 195 133 10	19.5	(33)	=	1	14.5 23.0 105	3.0	150	7	7	15.0 24.0		74 3	37 /8		14.0 33	23.5 39	4 14	00	*0.	0 16.5	39	11	9	* 0.	16.0	37	200	4	9.5 13	13.5 22	4	Ø	3.0	4.0
8	5-51	8	7	4 130 19.0 131 12	0.6	/3/	7	9	13.0 21.0 109	0.73	109	73	2	* 75. 57 A. 12. 52. 84	21.0 7	75	8/ 17		80 ×	14.0 3.	34 20	9	* 5	* 13.0	37	7	7	10.0/	17.0	36	0	*	* 200	4071	シママ	8	3	3.5
10 159	15-9	8	7	150 21.5 131	21.5	131	6	6	14.023.0/107 12	3.0	1 60		14	* 0.5%	33.5	26 18	6/8		40.6	4 2:51	40 15	1/ -	*0.	\$ 0 PT.S	<u>'</u> ¤	و	00	10:0	140	35	2	2	9.5 140	3	7	~	*~?	* ~
-	159	7	7	14.5 21.5 133	21.5	133	11	6 4	140 22.0 105	7.0		5	*/	# 0.0/	20.0	22 2	27 15		# 5.K	23.0 3	36 23	1/ 1/8	10.0	10.017.5	33	9/	/2	40%	12.5	34	9	8	8.5 12.5	5 22	7	~	2.5	4.5
12	160	9	~	13.0 20.0 134	0.00	K	2	2	14.0 22.5	2.5	111	8/	20 4	13.0 *	25.0 6	86 2	23 2	27 /6	120 19	190 3	30 28	7 8	10.0	* (5:5)	3)	14	8	50	3.0	36	11	8 11	10.5 15.5	5- 24	11 4	4	4.0	کنی
13	163	4	و۔	12.0 18.0 137	18.0	131	6	3	111 0.14 0.51 21	1.0		8/	18/	13.0 24.0		93 /	18 31	36 12	12.56 0.81		38 29	7/6		14.0 0.00	39	61	14	20	16.0	36.	(A	7 8	8.0 13	13.0 24	1 10	જ	40	6.2
14	163	7	7	10.5 16.0 146	0.9	941	3	20/	4 20 10.5 20.0 117 14	10.0	121		17 1	745 23.5		92/	7 61	76 10	* 10.5 21	21.0 44	4 16	1/		10.0	45	14	18	s, s	14.0	57	1-1	6 9	9.0 14.0	970	9	m	3.0	4.5
15	165	00	12	9.5-1.	4.5	95-145 141 14 17	14	17	13.0 19.0 118	190		15/	17 //	S.16 5.11		93 /	71	26 11.5 24.0	170 5	501	81 HS	200	7.5	2/11/5	49	্ধ	15	20.	* 12.5	17	6	5 6	6.5 10.	10.5 26	00	マ	3.5	5.9
91	165	7	5	9.0 14.0 142	0 %	147	0	5	11.0 19.0 117	9.0		~	17	12.5 21.0		93 /	16 25		10.5/21	21.0 58	0/ 8	77	2.0/	18.0	53	7	/3	8.0	5/1	43	8	2	5.5 8.	8.5- 28	4	7	3.0	5.0
-	163	7	7	9.5 140 141	0.4	141	9	0/	6 10 11.0 19.0 11.3	10.6		0/	1	12.0 20.5	$\rightarrow$	90	16	13/1	61 0:11	19.0 5-8	11 8	0	2.5	13.0	55	e	1	6.0	0.0/	45,	જ	7	40 6	8.5.9	2	m	30	4.5
18 /6 /	19	7	7	9.5 14.5 137	5.4	137	00	9	11.0 17.0 119	7.0 /		2	9	0.0	15.0 9	97 5	15	6.8		49 5:51	7	00	6.5	- //.5-	5	5	3	4.0	7.0	47		7	4.5 6.	5 28	7	7	35	5.0
61	163	۲	7	10.0 15.0 139	15.0	139	5	15	10.0 17.5 119	7.5	_	5	5	10.01	15.0	97 6	11 9	تأتات	7.5- 15	15.0 68	8 3	01		6.5 11.0	63	2	3	3.5	5:0	47	~	4	3.5 6.	6.0 28	4	8	ري	4.5
20 /6/	191	m	2	10.0 15.0 137	5.0	137	0	7	10.0 16.0 120	6.0	100	15	2	9.5	17.0 9	97 5	17		7.5 12.5	5 66	3	10	6.0	0.01	63	*	h	3	0:5	47	7	0	3.5	Z.S.	~	べ	3.51	4.0
2	159	e-	R	2 165 150 139	5:0		0~	7	10.0 16.0 121	1.0%		-3	e	8.0 15.0	5:00	99 4	01 +		7.0 13.0		5 59	1		5.5/100	53	7	7	3.0	5:0	64	4	2 4	40 5	5:0 28	7	8	2.0	40
22	19/	7	7	4 10.0 14.5 139	14.5	139	5	e	100 16.0 121	0.0		7	~	8.0 15	15.0 9	97 4	7	7 7	7.5 155		64 5	5	5.5	195.	53	7	3	6.0	25.5	47	~	7	4.0 5	5:0 26	to a	8	9.0	3
23 /6/	191	7	7	4 95 14.0 137	14.0	137	2	~	9.5 15:51 1.9	155		e	7	9.5 1/	18.0 9	97 3	15	7 8	8.5 150	29 0	9 7	3	6.0	10.0	5	7	2	5.0	8.0 47	14	~	7	20%	44 JSJ	7	0	2.0	3.0
Ä,	# E	mediar	n val	ne of	effec	tive a	Intenn	a nois	Fam = median value of effective antenna noise in db above ktb	p abo	We kt	٩																										

 $r_{\rm cm}$  = median value or effective animonal noise in ab above ktb  $D_{\rm g}$  = ratio of upper decile to median in db  $D_{\rm g}$  = ratio of median to lower decile in db  $V_{\rm cm}$ = median deviation of average voltage in db below mean power  $L_{\rm cm}$ = median deviation of overage logarithm in db below mean power

US COOMIL MESS-PL

HOUR VALUES OF RADIO NOISE  Frequency (Mc)  1				E	4.5	5	0	0	5	3.5	4.0	4.5	5.0	40	4.5	5.0	5.0	4.5	0.9	5:5	2.0	5.0	5.0	5.0	1.0	5.0	2:0	5:0	
NOISE   Station   Singapore, Malaya   Lut. 1.3 N   Long, 103.8 E   Month   August   19	61			Jm Ld	is.		7.			0	0		5	0		mary and			5 6				==	2				_	
NOISE   Station   Singapore, Malaya   Lat. 1.3 N   Long, 103.8 E   Month August   Lat. 1.3 N   Long, 103.8 E   Lat. 1.3 N   Long, 103.8 E   Lat. 1.3 N	<u>6</u>			_								أنتنت		~		نكنا			ν.					<u>w</u>	_	3			
NOISE   Station   Singapore, Malaya   Lot 1.3 N   Long, 103.8 E   Month Augus   Frequency   Month			20						_									_								_			
MolSE   Station   Singapore, Malaya   Lat, 1.3 N   Long, 103.8 E   Month   Frequency   (Mc)   2.5   Month   Lam   Eam   Du   Do Vam   Lam   Eam	ust																				_			_		7			
MolSE   Station   Singapore, Malaya   Lat, 1.3 N   Long, 103.8 E   Month   Frequency   (Mc)   2.5   Month   Lam   Eam   Du   Do Vam   Lam   Eam	Aug				=	$\equiv$						=			_		-	_	==	==	=	=	=		=	~			
NOISE   Station Singapore, Malaya   Loft 1.3 N   Long, 103.8 E   Noise   Loft   Long, 103.8 E   Loft				Ldn			- 7.5					8.5	=					3.5			10.	7.5	7.0	==		_		_	
NOISE   Station   Singapore, Malaya   Loft   L.3 N   Long. 103.8 E	Jon				5.6	4.0	4.5	β̈́			5.0	0.9		فتنطقت التناقية	* 6	*00	to.		8.5	40.5	6.6	4.5		4.0	3,5	3.6			
NOISE   Station Singapore, Malaya   Lat, 1.3 N   Long, 103.8	2		0		۲	7	2	6	20	7	8	4	00	13		9	00		( )	9	7	7	~	~	4	જ		4	
Frequency (MC)  Frequency (MC)  Frequency (MC)  Prequency (MC)  Substituting the property of t			-	_		7		~	7			7	8								_					,	- 7		
Frequency (MC)  Frequency (MC)  Frequency (MC)  Frequency (MC)  2,55  De Veam Lean Form Du De				=	=		14			37	39		37							10				45		47	47	75	
Frequency (MC)  Frequency (MC)  Frequency (MC)  2.5  5.5  5.5  6. 1/2, 1/3, 1/3   1/				Ldm	18.0	0.0/	11.0	10.5	75.57		11.0	16.0		4	17.0	15,0	12.0	14.5	13.5	15.0		11.5	8.5	5.0	5.0	5.0	75.	00%	
Frequency (Mc)  Frequency (Mc)  Frequency (Mc)  Stable Box	lo lo				6.0	6.0	6.0	6.9	7.5	5.9	6.0	9.3	9.5	*3	*	10.01	6.5		10.0	9.5	4-0.01	65	5.0	3.0	2.5	3.0	45	5.0	
Frequency (MC)  Frequency (MC)  Frequency (MC)  Loo 120 91 97 80 130 538 6 9 60 110 53 7 9 6 45 115 53 8 8 9 140 62 8 9 7 75 130 55 9 9 10 100 100 100 100 100 100 100 100	1		,,	70	3	3		*	-	4	٦	7	~	01	0/		00	~	7	16	10	4	3	4	4	4	7	7	
NOISE   Station   Singapore, Malaya   Lot.	3			Du	2	. 00		•	7	1	-9		10	10	61	9/	Ú	20	14	0/	0	8	9	4	4	4	9	7	
Frequency (MC)  Frequency (MC)  Frequency (MC)  Loo / 120 91 4 7 6.0 130 578 6 4 6.0 11.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0				Fam	53	53	53	155	5	573	ξ	47	43	39	37	27	3,	155	39	45	49	2	57	19	19	50	5.5	5.5	
Frequency (MC)  Frequency (MC)  Frequency (MC)  1545  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Fom Du De Vdm  Co Vdm Ldm Fom Du De Vdm Ldm Bu De Vdm  Co Vdm Ldm Fom De Vdm Ldm Bu De Vdm  Co Vdm Ldm Ldm Fom De Vdm Bu De Vdm  Co Vdm Ldm Ldm Fom De Vdm Bu De Vdm  Co Vdm Ldm Ldm Fom De Vdm Bu De Vdm  Co Vdm Ldm Page State Page Bu De Vdm  Co Vdm Ldm Page Bu De Vdm Bu De Vdm  Co Vdm Ldm Page Bu De Vdm Bu De Vdm  Co Vdm Ldm Page Bu De Vdm Bu De Vdm  Co Vdm Ldm Page Bu De Vdm Bu De Vdm  Co Vdm Ldm Page Bu De Vdm Bu De Vdm  Co Vdm Ldm Page Bu De Vdm  Co Vdm Ldm Pa	٦			Ldm	0 //	11.5	13.5	13.0	15.5	15.0	7 13.5	12.5	* 15.51	15.0	13.5	t.0.5	2.5	* 3 0,3	16.0	17.0	17.5	16.0	7.ST	/as_	1.5	0.01	6.5	10.5	
Frequency (MC)  Frequency (MC)  Frequency (MC)  Frequency (MC)  C Vdm Ldm Fam Du Dc Vdm Ldm Fam Du Dc  10.0 12.0 91 4 7 6.0 13.0 528 6 4 4  10.0 12.0 91 4 7 6.0 13.0 528 6 4  11.0 12.0 12.0 87 13 8 80 14.0 62 8 9  11.0 12.0 12.0 87 13 8 80 14.0 62 8 9  11.0 12.0 12.0 87 13 8 80 14.0 62 8 9  11.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	aya			/dm	6.0	7.5°	7.5	7.0	8.5	9.5	75/		4.0.0	000	800	3			20		10.01		5,5	5,5	6.0		5.0	6.0	
Frequency of the property of t	Mala		2			شنند	والتناك			8		7				_	7	-				_	==	_	==		-		
Frequency of the property of t	re, J	(S)	2	Du	9	2	00	1		00	O <sup>o</sup>		2	0	0/	61	2	87	26	9	=	0/	0	7	γ	12	7	e	
Frequency of the property of t	2 po	8		E G	28	57	85	25	7	79	9_5	46	39	36	34	30	38		_	200	200	2.5	01	7	49	77	7	200	
Frequency of the property of t	ing	λc	_						4.0	=			=	==				_		_			_						
NOISE ST NOI		ane		dm L		=				2.5		2.0 4		2	15	20 %					1°0°	1/5%		_	_	_	1/5		
NOISE ST NOI	atio	Fre		) 7g	صند	=				==	24 3	==	-1		*~)	نسنة	-		==	_		_			ي الله			_	
NOISE  NOISE  NOISE  100 120 120 91	ţ		546	2	4	15	00	ĸ	3					0 2		_			=					00		6	-		
NOISE  NO					3,	11	52							_	250				9				13.	13		3/	1		
NO	Щ				_	=								=						13				-		==			
20 21 20 2 2 2 M 2 1 2 C 1 20 M 2 20 C 2 2 L 1 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2	80			lm L	0.0	10 16	8/0.	110		8/0:	<b>₹</b> %	* 0	*~		+7	, P.	* 7 5	12	رع <u>ح</u>	.ر. بر	0	9/0	0 18	3/5	9/0		5/10	ا بعددنند	
-HOUR VALUES OF RADIO  2 1/10 1/20 1/35 6 2 105 1/20 1/8 1/2 6 2 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3	Z		_	7 / 20						=	=			13					النفاقية									1	
-HOUR VALUES OF RAL  3 (1,0) (	9		160									==	78		السكانات						-								
-HOUR VALUES OF F  2 1/10 1/20 1/37 6 2 10/4m Ldm   Edm Du Dz Vdm Ldm   Edm Dz Vdm   Edm Dz Vdm Dz	₹ Z		·	<b>—</b>							_		10	8		5.		7			i	15							s ktb
-HOUR VALUES OF  2 // vam Ldm Fam Du De Vdm Ld  2 // vam Ldm Fam Du De Vdm Ld  4 // vam Ldm Fam Du De Vdm Ld  4 // vam Ldm Fam Du De Vdm Ld  4 // vam Ldm Fam Du De Vdm Ld  4 // vam 1/2 // 33 6 2 2 // vam Ld  3 // vam 1/2 // 33 6 6 // vam Ld  4 // vam 1/2 // vam 1/	11		_	m F	1/ 0		// 5	7/0	1/ 0	11 0	1	0/ a.	1 3	0/2	1/0	_	0/	1/0	// 0:	15		1 5	// 0.		1		1/5		opon
-HOUR VALUES  2 1/10 1/20 1/37 6 2 1/10 1/20 1/35 6 2 1/10 1/20 1/37 6 6 1/10 1/20 1/37 6 6 1/10 1/20 1/37 6 6 1/10 1/20 1/37 6 6 1/10 1/20 1/37 6 6 1/10 1/20 1/37 6 6 1/10 1/20 1/37 6 1/2 1/37 6 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Ö			L Ld	5-16.	5 17	0 /7.	18	18	5 20.	5 20.	200	25,	+4	* 23	\$ 0	7	* S.	00	20	o sa	0 /6.	27	20	8/0	0 19.	* 1/2	0 160	db ni
-HOUR VALUE  2 11.0 14.5 13.9 4 7 6 4 4 12.0 17.5 13.9 6 6 2 2 11.0 14.5 13.9 4 7 7 6 13.9 4 7 7 6 13.9 13.9 6 6 6 2 2 13.0 17.5 13.9 6 6 6 2 2 13.5 17.5 13.9 8 1.9 17.5 13.9 8 1.9 17.5 13.9 8 1.9 17.5 13.9 8 1.9 17.5 13.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19	တ			PA Z					_			7	7	* ×	* 5	15.	14	7.5	3	*	1	/0.	3			-	10/4	6	oise
-HOUR VAL 3 1/2 1/3 1/3 6 4 1/2 1/3 1/3 6 4 1/2 1/3 1/3 6 4 1/2 1/3 1/3 6 4 1/3 1/3 1/3 6 4 1/3 1/3 1/3 6 4 1/3 1/3 1/3 6 6 1/3 1/3 1/3 1/3 1/3 6 6 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3 1/3	E.		51		==				_	=			==									_	i	- 1					שטטע
-HOUR Ldm Ldm Far M. o M.	AL		,	n Du							5 2		_		7/2	5 / 12			0/5	0/0	_						- 1		ante
-HOUR 4 120 175 175 175 175 175 175 175 175 175 175	<b>&gt;</b>			Far					/3		/3	1/33		/3		7	7/	1/35	135	/3.	/3	/3	3		13	/3	1/35	13	ective
- HO	LR.			Ldm	16.5	17.0	16.5	17.5	18.5	17.0	16.0	17.5		19.0	*4	* 10	2/0	20.5	18.0	18.0	17.0	17.0	17.0	17.5	16.5	170	185	160	f offe
menterle water on the matth no on I	오			Vdn	_			100		12.6				/3.0	* 13.5		14.0	13.0	11.0	11.0		10.0		1/.5					aine c
I	1		013				7	2	~	~	4		~		જ		c	9			1,2		_		-		-		ian ve
1 C C W W Z D C C C C C C C C C C C C C C C C C C	F		0								_	=			_			_	$\rightarrow$		$\rightarrow$	_	i						med
MON (LST) TO 90 00 00 00 00 00 00 00 00 00 00 00 00	Ó				==	=	15.9	159	15-9	139	159	==	_	159		15.5	=					163		_				15.	Fom 2
X (121) 10H 00 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2	(TS	۱ (۱	noH	8	ō	8	03	9	02	90	07	80	60	0	=	12	13	4	15	9	17	80	6	20	12	22	23	

 $F_{\rm cm}$  = median value of effective antenna noise in db above kitb  $D_{\rm cm}$  = ratio of upper decile to median in db  $D_{\rm cm}$  = ratio of median to lower decile in db  $V_{\rm dm}$  = median deviation of average voltage in db below mean power  $L_{\rm dm}$  = median deviation of average logarithm in db below mean power

.1			Ldn	15:0	13.6	12.0	10.5	7.5	6.5	7.5	4,0
6		5	Vdm	10.0	. 00	2.0	6.0	4.5	4.5	4.5	2.5
_		-2	DR	0	7	00	0	9	σ.	4	7
/ay		2000-2400	D D	7	9	2	7	72	~	~	7
4		2	Fam	160	137	811	97	99	5-8	45	24
Apr.			mp J	15.0	15.5	0.9/	/3.0	5.5	7.0	7.0	5.0
		8	/dm	9.5	0.01	9.5	0:0	5.5	4.5	4.5	3.5
GT.		1600-2000	20	1.5	00	. ~	0	00	4	4	7
Y.		8	ص م	7	00	à		0/	4	~	3
ng		<u>i</u>	-am	0 9/	134	4	92	57	15	43	28
pri			Ldm	15.57	15.5	17.5	15.0	7.0	8.5	0.0/	5.5-
COL		8	/dm	5.01	10.0	11.0	9.0	4.0	6.0	6.5	3.5
Seas	3T)	9	O	7	12	15,	7	10	0	2	~
	<u>L</u>	8	್ಟ್	4	1	9/	16	17	17	0	9
Daiboa, Canai Lone Lot 7.0 in Long. 17.3 W Sedson Spring ( Mar., Apr. May ) 19 01	TIME BLOCKS (LST)	1200-1600	Dr Van Lan Fam Du Dr Van Lan	160	8 11.0 165 132 8 13 12.0 18.0 134 11 9 10.0 155 134 8 8 10.0 155 137 6 7 85 130	110	00	43	30	32	2 1.5 2.5 25 5.0 24 45 27 6 3 3.5 5.5 28 3 4 3.5 5.0 24 4 3 2.5 40
13.	N O		Ld m	17.0	18.0	19.0	/3.5	0.0	13.5	11.0	4.5
9.	ليا	8	V dm	11.5	19.0	2.5	80	5.0	7.5	7.5	2.5
ا ا	Z	2	Ja	0	73	76	11.	00	00	6	$\sim$
7		8	۵	12	00	0/	1	7	1	00	7
7.01		0800-1200	ram m	15-8	132	0//	87	43	32	30	25
±			T di	0.9/	16.5	17.0	13.5	12.0	0.6	6.5	2.5
۲		-0800	V dim	7.5	11.0.	11.0	0.0	7.0	2.5	4.0	7.5
one		Ö	ďQ	15	00	73	11	7	1,0	5	~
a1 6		0400	۵	7	9	ص	00	9	7	3	7
Can		Ŏ	Fam Du	160	138	115	93	64	54	39	24
oa,			F	5 105 16.0	0.41 0.6 9	7.5- 12.5	7 6.5 11.0	5 5.0 9.0	4 4,5 7.5	7.0	2,5
Dalo		94	V dim	201	8.0	7.5	6.5,	5.0	4,5	5 4.0 7.0	1,5
		0-0	Ã	12	9	2	7	7	4		_
Station_		0000-0400	Fam Du De Vam Lam	5	9	. ~	9	-9	7	ρ,	7
Sta		0	r <sub>e</sub>	159	139	611	66	000	. 2-5	42	24 4 1 15 25
			Frequency (Mc)	PS1 810.	051 139	091	. 495- 99	2.5	12	01	*07

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

De ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

\*Corrected sheet - Fam on 20 Mc/s was in error for April 1961,

_1			٦	15	14.0	7	4	o.	6.5	7.6	15
9 6		2000-2400	V <sub>d</sub> m	10.0	15.	0%	7.0	45	3.0	3.5	م. بن
<u> </u>		-2	De	7	6	p	7	9	7	9	~
, 00		8	Da	5	9	2	00	7	5	7	3
Au		5(	Fam	991	146	127	201	72	64	50	78
ly			F F	135	15.0	16.5	16.0	0.11	11.0	7.5	6.5
Ja		000	/dm	9.0	0.01	2.01	0.01	6.5	6.9	4.5	125
ne		-2(	<b>7</b> 0	4	1	6	7	11	7	ک	7
Jan (		1600-2000	D	5	7	6	10	₹/	01	7	17
Season Summer (June July Aug.) 19 61		91	Fam	106	146	77/	103	99	19	49	2
nun			-dm	16.0	17.0	19.0	19.0	14,5	135	5//	15.8
Son		000	Vdm	11.0	11.5	12.0	12.0	8.5	8.5	2.5	5.0
Seas	ST)	9	De	Н	7/	/3	20	91	14	9	17
	5	00	Da	9	11	11	14	he	23	14	11
A	TIME BLOCKS (LST)	1200-1600	Fam	167	146	128	106	58	46	14	30
9.5	Š		-dm	19.0	19.5	19.5	19.0	0.0/	2.5/	13.0	75.5
g. 7	E	00	Vdm	13.5	135	12.5	11.5	6.0	9.5	7.5	3.0
Lo P	Z	-12	70	2	14	(	19	11	0	~	4
z		0800-1200	Du	9	7	9	11	hI	11	7	9
Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W		80	Fam Du De Vam Lam Fam Du De Vam La	6 4 Des 185 165 6 5 135 190 167 6 4 11.0 16.0 166 5 4 90 135 166 5 4 10.0 15	3 9 120 180 140 7 14 135 195 196 11 12 11.5 11.5 11 10.0 150 150 150 140 6 9 950 140 P	7 11.5 18.0 12.5 9 7 56 12.6 11. 13 12.0 19.0 12.6 9 9 10.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12	8 11 100 165 100 11 19 115-190 106 14 20 120 190 103 10 12 160 160 8 6 70 70	7 8 7.0 las 54 14 11 6.0 10.0 58 24 16 85 145 66 12 11 6.5 11.0 72 4 6 45 9.	5 6 6.0 10.5 45 11 9 9.5 1555 46 23 14 8.5 135 61 10 7 6.0 11.0 64 5 4 30 63	7 7 55 100 37 7 6 75 120 41 14 6 75 115 49 5 5 4.57,5 50 4 6 35 7.0	3 3.0 5.5 25 25 6 4 3.0 5.5 30 11 5 5.0 85 31 5 4 35 6.5 26 5 3 2.5 5.6
+			Ldm	18.5	180	18.0	16.5	12.5	10.5	10.0	5.5
٦,		8	V <sub>d</sub> m	2.4	12.0	11.5	0.0/	7.0	6.0	Sis	3.0
		õ	DR	4	0	5	11	00	9	7	~
Cone		0400-0800	<b>D</b> 0	6	6	7		7	5	7	7
nal 2		ŏ	Fam	166	841	129	201	70	60	Sh	25
S			Ld mb	17.5	15.5	14.5	13.5	10.5	8.0	8.0	
boa,		400	V dm	115	7 10.0 15.5	9.0 M.S	7 8.0 13.5	5-6 5.5 10.5	4 4.0 8.0	5 45 80	4 30 4.S
Ball		0-	ď	2	7	2	7	9	4	5	7
ion		0000-0400	D	2	9	.9	7	لم	3	7	5
Stat		ŏ	Fam Du De Vam Lam	167 5 5 115 17.5	9 541	130	101	73	63	84	75-
			Frequency (Mc)	. 013	150	091.	264	75.8	7	01	20

 $F_{\mbox{am}}$  = median value of effective antenna noise in db above ktb

 $D_{\underline{u}}$  = ratio of upper decile to median in db  $D_{\underline{\mathcal{L}}}$  = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power  $V_{dm}$  = median deviation of average voltage in db below mean power

_1			Ldr	16.0	/3.5	12.0	11.0	90	2.5	2.5	45
9 6		9	Vdm	5.6	7.5	6.5	6,0	4.0	4.0	15%	2,5
(		-2	De	7	9	8 9 6.5 12.0	~	4	7	5	7
ıg.		2000-2400	Du	اک	9	8	2	7	7	7	7
Ar		X	Fam	165	143	120	66	24	67	50	24
ıly			Ldm	14.0	0.0/	14.0	15.5	11.0	7.0	7.0	7.5
J		8	/dm	8.0	7.0	8.0	0.0	6.0	4.0	2,5	5.0
ne		-20	DL	-9	2	51	18	13	~	7	- 5
Ju		1600-2000	۵	7	000	11	14	11	00	6	7
Sedson Summer (June July Aug.) 19 61		9	Dr Vdm Ldm Fam Du Dr Vdm Ldm	4 13.0 20.0 161 4 5 12.0 190 168 6 4 8.5 140 168 5 6 8.0 140 165 5 4 95 16.0	5-12.0 195-13, 7 5 10.5 180 145 9 8 75 125 146 8 9 7.0 12.0 143 6 6 7.5 13.5	13 (2.0 20.0) 101 6 6 11.0 18.0 122 12 14 8.5 145 124 11 15 8.0 14.0 120	8 7.0 11.0 74 16 10 6.5 100 103 13 22 10.0 17.5 102 14 18 90 1555 99 7 7 6.0 11.0	5 4075 47 7 3 2.0 45 62 15 14 6.5 11.0 67 11 13 6.0 11.0 74 4 6 4.0 8.0	6 50 85 42 7 4 3.5 5.5 53 14 10 55 9.0 62 8 7 4.0 70 67 4 4 4.0 7.5	7	2 2.03.0 26 5 3 45 6.5 3, 7 5 6.0 9.0 30 7 5 5.0 7.5 24 5 2 254.5
umr			dm	14.0	125	14.5	17.5	11.0	0.6	9.0	9.0
SonS		200	Vdm	550	25	Pis-	10.0	5.9	1,53	57	6.0
Seas	ST)	9	De	7	00	14	$\stackrel{\sim}{\sim}$	14	10	٦,	17
	Ę	00	ص	د	a	7	7	15	74	7	7
Lat. 40.1 N Long, 105.1 W	TIME BLOCKS (LST)	0800-1200 1200-1600	rom mo	168	145	122	103	62	S	hh	8
5.1	300		Ldm	26/	18:0	18.0	10.0	4.5	2.2	8.0	6.5
9.10	E E	00	Vdm	12.0	5.01	11.0	6.5,	2.0	2.5	5.0	4.5
Lo	N I	21-	0,0	5	ری	0	10	~	7	7	~
7		8	۵	2	7	9	16	7	2	9	7
0.17		ŏ	Fam	191	/3/	101	74	47	3	35	36
4.			-dm	20.0	12.6	20.0	0.//	7.5	8.5	8.0	3.0
La		8	\dm	13.0	12.0	0.0	7.0	4.0	5.0	4.5	2.0
		0400-0800	DR	7	17	13	8	7	0	7	4
opı		8	۵	~	~	6	্	0	0	~	~
Station Boulder, Colorado		0	m <sub>D</sub>	160	/3/	102	72	45	52	40	22
Ŭ			-p	18.5	16.5	15.5	4.5	9.0			3.5
lder		400	V <sub>d</sub> m	1/.0	9.5 16.5	8.0 15.5	7.5 12.5	6.50 90	4.5	S.4.5 P.S	2,0
Bou		0-	ďQ	5	9	9	7	9	4	5	$\sim$
ion		0000-0400	Dn	~	12	9	9	12	64 4 4.5 8.5	9	~
Stat		ŏ	Fam Du De Van Lan	162	139	116	96	72	64	43	19 2 2 20 3.5 22
			Frequency (Mc)	. 013 162 3 5 110 185	. 051 139	09/	Sbh	2.5	5	01	90

Fam = median value of effective antenna noise in db above ktb

 $D_{u}$  = ratio of upper decile to median in db  $D_{\ell}$  = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power  $V_{\mbox{dm}}$  = median deviation of average voltage in db below mean power

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		الم								
	400	Vdm								
	-2	De	8	3	4	ħ	9	8	9	4
	8	no	W	4	4	3	~	2		7
	20	Fam	1/3	84	12	56	28	3	18	18
		щþ								
	8	\dm J								
	-20	70	~	27	5	m	7	5	9	7
	8	n	~	3	7	5	7	Do	3	ィ
	9	Fam	112	83	72	5.6	30	34	گر م	81
		Ę								
	000	Vdm								
(TS	91-	De	~	~	~	7	12	5	12	4
3	00	n	~	.س	W	~	7	e	7	7
XXS	12	Fam	0//	83	72	1,525	20	31	23	61
00		-dm								
Ш	8	Vdm								
MIL	-12	Ja	3	7	~	7	~	e	6	~
•	8	D <sub>u</sub>	3	n	m	2	7	10	12	マ
	80	Fam	111	84	72	55	28	26	10	8/
		-dm								
	8	/dm								
	õ	ρQ	7	7	3	W	7	5	2	~
	9		7	7	η	7	7	0/	9	~
	ő	Fam	711	78	2	56	30	25	20	81
	400	Vdm								
	Ŏ-	ďq	~	3	7	2	72	0	2	٦
	8	Da	3	b	7	7	7	10	4	4
	ŏ	r <sub>am</sub>	113		71	7.5	29	25	12	18
		(SWC)	150	.//3	.246	545.	2.5	7	01	20
	TIME BLOCKS (LST)	TIME BLOCKS (LST)           0000-0400         0400-0800         0800-1200         1200-1600         1600-2000         2000-2400	TIME BLOCKS (LST)	TIME BLOCKS (LST)	TIME BLOCKS (LST)	TIME BLOCKS (LST)  0000-0400	TIME BLOCKS (LST)  0000-0400	Fam Du De Vam Lam Fam Pam Pam Pam Pam Pam Pam Pam Pam Pam P	Fam   Du   Dg   Vdm   Ldm   Dg   Dg   Dg   Dg   Dg   Dg   Dg   D	Fam Du De Vamlam Fam Pam Pam Pam Pam Pam Pam Pam Pam Pam P

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$  = ratio of upper decile to median in db  $D_{\boldsymbol{\mathcal{L}}}$  = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

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# SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

			Ldn	2.5	15.1	/3.5	7.	9.	8.	و	رب د.د
9 6		400	V <sub>d</sub> m	8.0 12.5	9.0	7.5	6.5,	5.0	5.5	4.0	2.5
_		-2	De	M	7	اد,	I	7	5	7	
<b>p</b> 0		2000-2400	na	m	0	~	00	00	9	1,2	0
July Aug. ) 1961		72	Fam	85 135 154 3	23	86	2	5	53	5 4 4.5 20 38 5 4 40 6.5	24
11y			투	13.5	7.0	0%	0.//	11.0	0.0	20	13.5
بر		8	Vdm L	85	1.5//	1.5.1	7.0%	7.0	6.0	4.5	200
ne		1600-2000	De	m	12	00	2	5	1	7	_
Ju		9	۵	n	00	14	0	7	0	7	~
Season Winter ( June		9]	Dr Vdm Ldm Fam Du Dr Vdm Ldm	3 100 150 149 3 2 105 165 143	3 80 130 108 10 4 115 175 110 8 4 120 185 113 8 5 115170 123 6 4 90 150	6 8.5 13.0 65 11 5 7.0 9.0 69 11 5 7.5 16.5 83 14 8 11.5/180 98 7 5 7.5/13.5	6 800 130 48 10 6 3.5 5.5 52 8 8 3.5 60 68 9 7 7.0 11.0 80 8 4 6.5 12.0	38 14 5 7.0 11.0 53 8 4 5.0 9.5	4 45 75 23 12 5 45 65 23 12 6 35 55 41 9 5 6.0 10.0 53 6 5 5.5 95	5 3.0 5.5 27 6 5 45 60 27 9 4 40 6.0 36	1 3.5 70 23 2 2 2 20 50 23 2 1 4.0 6.0 24 2 1 3.0 3.5 24 0 1 2.5 3.5
Win			Ep.	16.5	18.5	10.5	9	5.0	5.5	6.0	0.9
OU		8	-da	10.5	12.0	7.5	12.5	35.	75.	4.0	4.0
Seas	ST)	9 -	De	~	7	5	O	W	9	I	
	5	8	n	η	00	11	00	00	7	6	~
_Long. 130.4 E	TIME BLOCKS (LST)	1200-1600	r <sub>am</sub>	641	110	69	52	4 5.5 8.5 23 10 4 4.5 7.0 24 8 3 35 5.0	رم س	27	2
130.	370		Ldm	15.0	17.5	9.0	,5,2	7.0	6.5	6.0	5.0
. j	E	0800-1200	Vdm	10.0	11.5	7.0	3.5,	4.5	4.5	45	3
P	N I	21	00	m	7	٦,	9	7	7	7	8
		8	ص	m	10	11	10	0 /	Z	0	~
Lat. 30.6 S		ŏ	Fam	2 7.5 12.0 15.0 3	801	59	8/2	23	23	27	23
=			Ldm	12.0	13.0	13.0	13.0	8.5	15.	5.5	7.0
7		0080-	Vdm	7.5	2.8	8.5	0.8	5.5	45	3.0	2.5
		Ö	DR	8	Μ	9	2	4	7	7	
lia		0400	۵	~	5	7	12	10	9	7	_
Station Cook, Australia		Ò	Fam	154 3 2 7.5 12.0 153	123	25	77	84	46	32	1 4.5 3.5 23
Ar		0	Ldm	0.01	13.0	2.5	1/.0	9.0	8.5	6.0	3.5
ook,		0000-0400	Fam Du De Vam Lam	7.5	8.0	7.5	2.9	3 5.0 9.0	7 4 5.0 8.5	5 4 3.5 6.0	ي.
		0-0	De	7	m	7	2	n	7	4	
tion		00	Da	უ	7	12	2	00		3	0
Sta		0	Fam		125	2.5/2.7 4 7.5 001	60 7 4 65 110	56	49	36	يه
			Frequency (Mc)	. 0/3	651 136 4 3 80 130 133	011.	545,	م.ج	5	0/	20

Fam = median value of effective antenna noise in db above ktb

Ldm = median deviation of average logarithm in db below mean power  $D_u$  = ratio of upper decile to median in db  $D_{\mathcal{L}}$  = ratio of median to lower decile in db  $V_{dm}$  = median deviation of average voltage in db below mean power

			رد	15	9/	20	00	9	<i>Sie</i>	00	3
961		400	Vdm	9.0	0.01 8	6 6.5 12	8 4.5	2.5	4.5	5.0	/5/
_		-2	DR	4	8		8	9	5	7	٦
50		2000-2400	Da	5	7	00	00	00	5	4 5 5.0 8.5	3
Sedson Summer (June July Aug.) 1961		20	Fam	156	7 10 11.0 17.0 128	104	18	8 4.5 7.5 6 8 6 5.5 9.	9 6.0 10.0 59 5 5 4.5 8	48 5 5 55 85 46	18
ıly			Ldm	15.5	17.0	17.0	13.5	7.5	10.0	8.5	4.0
4		00	-da	0.0/	0.11	9.5	8.0	4.5	6.0	5.5	2.5
ine		-20	ρζ	2	10	17	7)	00	6	5	7
4		1600-2000	n <sub>O</sub>	5	7	14	81	6	00	4	7
ner (		91	Fam	15-9	129	86	12	42	49	48	20
mm			Ldm	165	14.0	16.0	15.0	9.5	2,0/	9.0	4.0
Sons		300	Vdm	9.5	10.0	0.0/	5.5	6.5	6.5	5.0	2.5
Seas	ST)	1200-1600	DR	5	6	11	17	e	11	7	$\sim$
	(L.	00	a	6	7	/3	17	11	8	5	7
ഥ	TIME BLOCKS (LST)	12	Du De Vamilam Fam Du De Vamilam Fam Du De Vamilam Fam Du De Vamilam Fam Du De Vam Lam Fam Du De Vam La	5 110 170 160 5 5 95 165 159 5 6 10.0 155 156 5 4 90 15	0 8 13.0 20.5 124 7 9 11.5 185 13, 7 9 120 14.0 129	13 8 65 105 87 14 9 80 115 100 13 17 100 60 98 14 17 9.517.0 104 8	14 4 3.5 5.5 58 17 7 7.5 11.5 70 17 17 8.5 15.0 67 18 12 8.0 18.5 81	3 50 75 35 11 6 6.5 95 42	6 6 6.0 9.0 32 10 4 6.0 95 40 8 11 6.5 10.5 49	5 50 80 39 5 6 60 95 43 5 50 90	4 3 1.5 3.0 19 6 4 2.5 4.5 19 4 3 2.5 4.0 20 4 4 25 4.0 18 3 2 1.5 3.
Long. 17.3 E	310		Ldm	17.0	185	115	11.5	7.5	9.5	95	4.5
g. 1	E	00	Vdm	0://	11.5	8.0	7.5	5.0	6.0	6.0	2.5
Lo Lo	N I	-12	De	5	6	6	6	3	4	6	٦
		0800 - 1200	D	9	7	14	17	00	0.1	2	0
Lat. 59.5 N		Ö	Fam	5 3 11.5 18.0 156 6	he1	87	5.00	30	عني	39	19
÷.			Ldm	18.0	2.0%	70.5	5.5	0.0/	9.6	8.0	3.0
٦		300	V <sub>dm</sub>	71.5	13.0	6.5	3.5	7.0	6.0	5.0	1.5
		Õ	γO	~	00	8	4	7 7.0	6	5	~
den		0400-0800	٥	2	0 1		14		9	2	7
Station Enkoping, Sweden		ŏ	m <sub>B</sub>	153	611	82	53	36	4,	42	17
ing,			L dm	16.0	17.5	0.01	8.0	11.5	8.5	7.0	3.0
kop		400	V <sub>d</sub> m	5 2 10.0 16.0	7 11.0 17.5	7.0	5.0	7.0	6 5.0 8.5	6 40 7.0	15.
뗩		0-0	$\mathcal{J}_{\mathbb{Q}}$	~		7	00	6		2	~
rion.		0000-0400	Fam Du De Vam Lam		7	8	7	So	*	5	7
Stat		Ŏ	r <sub>am</sub>	154	124	hol	72	5-9	57	2	17 2 2 1.5 3.0
			Frequency (Mc)	.013	150	. 160	. 495	2.5	7	01	70

E

0: 6.5

30

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$  = ratio of upper decile to median in db  $D_{\boldsymbol{\mathcal{L}}}$  = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V<sub>dm</sub> = median deviation of average voltage in db below mean power

3 N Long. 78.2 W Sedson Summer (June July Aug.) 19 61	TIME BLOCKS (LST)	0800-1200 1200-1600 1600-2000 2000-2400	De Vam Lam Fam Du De Vam Lam	4 10 11 115 12 114 13 12 115 9 5	2 13 5 76 23 12 82 20 16 87 1, 7	9133 43 23 9 57 1912 75 6 6	484 138 56107 6744	0 4 9 4 4 50 4 3 51 4 3	15 3 1 29 4 1 30 3 3 a 2 1	
	S (LST)	1200-1600	Im Du De Vam Lam F					h h	/	
8.8 N Long. 78.2	TIME BLOCK	0800-1200	Fam Du De Vam Lam F	11 01 401	62 13 5	29 13 3		3	25/3/	
Station Front Royal, Virginia Lat. 38, 8 N		0400-0800	Fam Du	5 8 801	70 10 7	53 8 7	53 4 6	43 4 3	1 / 22	
Station Front Roya		0000-0400	Fam Du De Vam Lam	115 6 6	90 7 7	74 5 7	65 15 5	45 4 3	23 / /	
	<u> </u>		Frequency (Mc)	135	.500	2.5	7-7)	0/	20	

 $F_{\mbox{\scriptsize am}}$  = median value of effective anienna noise in db above ktb

 $D_{u}$  = ratio of upper decile to median in db  $D_{\ell}$  = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voitage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

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USCOMM-NBS-BL

- <u>-</u>			ړ	2	7	5	2	8	00	7	~;
9		400	/dm	8.0	3.5	7.5	2	5.0	4.5	6.0	1,5,
-		-2	De	7	~	7	9	7	4	~	_
18.		2000-2400	n <sub>Q</sub>	7	5	9	1	2	7	~	_
SeasonSummer (June July Aug.) 19 61		20	Fam	759	17/	97	73	7,5	50	14	1,50
uly			E P	15:5/	12.5	12.5	7.5	5.	7.5	0.9	45
اار		8	/dm	9.5	7.5	2.0	45	3.0	5.0	35	15.5
nne		-20	De	~	7	7	72	7	4	~	~
ال		8	na	3	9	2	14	6	9	4	M
ner (		1600-2000	Fam	149	801	77	54	35	33	36	26
uun			Ę.	13.5	14.0	0.9	8.0	15.	7.5	5.0	0.7
onSi		00	Z mb	2.5	8:5	2.0	5.0	75.4	5.0	3.0	1,0
eds	Œ.	91-	De	~	m	7	m	m	7	(2)	~
0)	(LS	90	ص	W	2	Ċ	18	5	9	7	~
M	TIME BLOCKS (LST)	1200-1600	Du De Vamlam Fam Du De Vamla	4 2 11.0 17.5 157 3 2 9.5 155 157 3 2 8.5 135 149 3 2 9.5 1551 52 2 2 8.0 13.	5 4 11.5/185 111 8 4 9.5 145 112 7 3 815 140 108 6 4 7.5 125 121 5 3 85 14	9 5 105 175 74 16 6 9.0 170 72 17 4 9.0 16.0 77 9 4 20 25 97 6 5 75 12	49	6 4 5-5 10.0 34 5 3 2.5 45 32 5- 3 25 45 35 6 4 3.0 45 52 6 4 5.0 6.	8 5 6.0 9.5 24 7 4 5.0 7.5 22 6 4 5.0 7.5 33 6 4 5.0 7.5 50 4 4 45 8.	4 3 2550 22 5 4 35 60 17 7 6 3.0 5.0 36 4 3 35 6.0 41 3 3 3.0 5.	1.03.0 3.5 1 1.03.5 23 2 25.4.0 26 3 2 25.45 25 1 1.53.3.
9.7	9		Ę.	15:57	14.5	17.0	7.0	5%	7.5	6.0	53
J. 15	80	0800-1200	\dm	15.	9.5,	0.	4.5	15.	5.0	35.	ر 0.5
Ouc	M	-12	De	8	7	e	4	M	7	2	_
		90	Da	m	00	9/	14	6	2	6	8
T.H. Lat 22.0 N Long, 159.7 W		08	Fam	15-1	111	74	50	34	44	22	7
1.22			-dm	7.5	18.5	7.5	5,5	0.0	s,	6.5	3.0
Ĺ		8	/dm	1.0/	1.51	0.5	8.5	75.	6.0	ر اد: اد:	o.,
H.		8	D.A.	8	7	15	7	4	4	3	
T.1		0400-0800	D <sub>Q</sub>	7	12	0	2	e	00	7	_
ıai),		04	Fam	h51	124	16	49	5-1	47	36	24
(Kan			-da	15,	12,5						3.0
ha		100	/dm/	9.0 ly.5	9.5 15.5	9.5	15.0	6.0 9.5	5.5 10.0	7.5	1.0 3.0 24
Kek		0000-0400	De	ત	7	6 9,5 16.0	11 6 10.5 18.0	3	7	3 2.5	
on 1		8	2		1.9	9	1	2	2	7	_
Station Kekaha (Kauai),		8	Fam Du De Vam Lam	155 2	127	701	77	2.5	19	40	25
			Frequency (Mc)	, 013	051	160	.495	2.5	15	0/	20

4.5

Fam = median value of effective antenna noise in db above ktb

 $D_{m{u}}$  = ratio of upper decile to median in db  $D_{m{\ell}}$  = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

긭			Ldm	15.0	135	135	12.0	7.5	8.0	6.0	15.5									
9-6		400	Vdm	9.5	8.5	75	2.0	4.5	5.0	3.5	1,5,									
~		1-2	7 <sub>Q</sub>	8	72	1	و~	2	~	7	~									
ug		2000-2400	D	7	e-	و-	10	~	-9	7	1/2									
A -		2	Fam	157	132	01/	75,	62	6 7	46	76									
uly			-dm	12.0	140	170	15.0	0.0/	9.0	6.5	3.5									
		00	Vdm	7.5-	0.0	10.5	9.5	7.0	6.0	4.0	2.0									
au		-2(	De	~	7	11	10	00	7	ħ	$\sim$									
ULT.		1600-2000	n <sub>C</sub>	7	11	14	16	15	00	4	7									
SedsonSummer (June July Aug.) 19_61		91	Fam	157	128	56	75	46	50	43	38									
nuun			-dm	16.5	15.57	16.0	12.5	9.0	95	6.0	3.0									
SOUS		000	Vam	11.0	0.0/	5:0	25.	6.5	2.0	4.0	1.5									
Seds	ST)	-	De	7	9	/3	0	7	7	5	~									
	E	00	00	a	1,	10	7	17	7	10	7	7								
Lat. 35.6 N_Long. 140.5 E	TIME BLOCKS (LST)	12	De Vantam Fam Du De Vantam	5 11517.0 154 4 5 120 175 156 5 4 11.0 165 157 4 3 75 120 157 4 2 95 15.0	6 115185 124 8 8 035195 127 10 6 10.0 15.5 128 11 7 8.0 140 132 6 5 8.5 135	96	7 9.0 13.0 68 15 6 6.0 11.0 73 17 9 7.5 125 75 16 10 9.5 15.0 75 10 6 7.0 12.0	36	36	4 4.5 25 30 6 4 5.0 7.0 31 7 5 4.0 6.0 43 4 4 4.0 6.5 46 5 4 3.5 6.0	2 1.5 3.0 24 3 2 2.0 3.0 2.5 4 2 1.5 3.0 28 4 3 2.0 3.5 26 5 3 1.5 2.5									
10, 5	Š		Ldm	17.5	19.51	20.5	11.0	5.00	9.5	2.0	3.0									
₹.6	Ш	0800-1200   1200-1600	V <sub>dm</sub>	0.0/	3.	135	0.9	6.0	2.0	5.0	2.0									
Lon	2		TO	12	00	11	9	~	9	4	~									
		8	D <sub>u</sub>	ή	00	17	15	6		9	~									
. 6 N		80	Fam	154	124	32	99	36	36	30	44									
1.35			dm	17.0	15.8	5.01	13.0	9.5	0.01	7.5	3.0									
<u>ا</u> ا		0400-0800	V <sub>dm</sub>	11.5	11.5	11.0	0.6	6.5	6.0	4.5	1.5									
			100-06	DR	5	-9	1.	7	12	-0	7	~								
				400	400	400	400	٥	4	8	/5/	16	10	-9	6	3				
an		ő	Fam	155	126	96	70	48	48	38	24 3 3 0.5 2.0 24									
Jap		400	400	400	0000-0400	400	Ldm	15.0	8.5 14.0	5 h1	7.5 14.0	5.5 10.0	5.0 8.0	3.0 6.0	Š					
ra							400	100	140	400	400	400	400	400	400	400	\ch	0.0/	15.	8.0
Oh		0-	OR	3 10.0 15.0	7-	5 8.0 MS	00	8	7	4	~									
ion.		000	Fam Du De Vam Ldm	4	5	5	2	2	7	7	~									
Station Ohira, Japan		ŏ	Fam	156	132 5 4	2 0//	85 9	79	5.8	hh	7.5									
			Frequency (Mc)	. 013	150.	07/	345.	2,5	1,5	0/	20									

 $F_{am}$  = median value of effective antenna noise in db above ktb  $D_u$  = ratio of upper decile to median in db  $D_{\mathcal{L}}$  = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V<sub>dm</sub> = median deviation of average voltage in db below mean power

-1		0	Ldn								
96		2000-2400	Du De VamLam Fam Du De VamLam Fam Du De VamLan								
	Aug.) 1961	2-0	De	1	6	7	00	6	00	7	0
Aug		00	D	122 12	107 13	41 46	87 10	60 14	6	9	61
		2	Fam	(2)	101	46	87	9	50	30	0 61 00
Segson Winter ( June July			Ldm								
ابا		000	Vdm								
nne		1600-2000	<b>7</b> Q	118 12 10	/3	6	00	00	01 2 10	8	٦
J )		200	Do	7	97 18 13	81 08	74 13	50 12	75/	38 6	,5
ter		16	Fam	118	97	80	74	50	46	38	1 /5/ 52
Win			Ldm								
nos		300	Vdm								
Seas	ST)	1200-1600	De	10	9	7	6 2	4	5	7	_
		200	٥	01 11 511	04 88	L 81 17	9	72	30 12	27 14 7	10
田	TIME BLOCKS (LST)	12	Du De Van Lan Fam	115	8.8	16	5.9	38	30	27	) (0 /
28.3	310		Ldm								
j. j.	IE (	200	V <sub>dm</sub>								
اً	TIN	0800 -1200	De	112 15 14	89 22 10	71 18 2	7	5	2	7	7
S			D	7	رد	8/	29 6	7	32 12	29 16	61
Lat. 25.8 S Long. 28.3 E		ŏ	D& Vdm Ldm Fam	7/1	68	11	52	37	32	29	28 19 3
1t2		(	Ldm								
ĭ		0080-0	V <sub>dm</sub>								
		0-0	γQ	\\\ \o	00	2	9	0	~	ان	0
rica		0400	a	C1 12/	91	15,	?	14	0/	00	3
. Af		0	Fam Du	7	101	33	7	5.4	46	29	20 21
Station Pretoria, S. Africa		0	Fam Du De Vam Lam								
		9400	Vdm								
Pre	고 한 한	0000-0400	ďq	2	00	~	00	10	0	7	0
tion		000	n	17	2	4/	7	~	0	5	19
Sta		0	Fam	123	71 801	h1 76	87	6/ 12	, 12	28	20 19
			Frequency (Mc)	11 551 120.	. //3	146.	H 18 SHS.	15.5	1,	0/	20

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$  = ratio of upper decile to median in db  $D_{\boldsymbol{\mathcal{L}}}$  = ratio of median to lower decile in db

V<sub>dm</sub> = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

0-61		0	مُ	<u>T</u> .S	3	7.0	3	2.	7.0	00	1/2	
961		240	\ <u>p</u>	501	2.5	00,	2.0	,5.2	4.5	9.0	2,5	
7		<u></u> C	Dig	2	0	00	00	00	0	7	~	
Feb		2000 2400	on o	0	. 1	6	00	6	~	72	0	
		20	Fam	hel	101	20	00	99	10	5	5	
an.			- F	15:0	14.5	14.0	11.5	10.0	2.	0.8	10.2	
		8	V <sub>d</sub> m	10.0	0.0	10.0	0.0	0.5,	6.0	5,5,	3.0	
ec.		1600-2000	0%	=	5	15,	10	_ =	2	7	I	
		000	3	13	20	6/	17	18	=	10	9)	
Season Summer (Dec. Jan. Feb.) 1960-61		9	Fam	135,	20/	89	86	5.8	57	3	53	
umi			Ldm	15.0	14.0	14.0	17.0	13.5	12.5	9.0	5.5	
Son		30	Vdm	70.5	10.0	5.01	8.5.	2.6	8.0	2.0	4.0	
Sea	ST)	-	20	=	14	00	200	13	0	و۔	7	
	3	8	a	2	<i>ħ'</i>	-5	3	19	74	<i>`</i> ~	Coo	
M	TIME BLOCKS (LST)	1200-1600	De Vamiliam Fam Du De Vamiliam Fam Du De Vamiliam Fam Du De Vamiliam Fam Du De Vamiliam	8 125 175 109 11 10 120 170 121 12 11 105 150 135 13 11 10.0 150 104 9 9 105 14.5	9 9.0 12.0 88 14 7 8.5 11.0 101 14 14 10.0 140 106 20 13 9.0 145 107 12 9 8.5 12.5	10 75 100 75 14 7 70 11.0 87 16 18 105 14.0 89 19 15 100 140 90 12 8 85 12.0	150	11 8.0 11.0 33 9 4 5.0 7.5 43 19 13 9.5 13.5 58 18 11 6.5 10.0 106 7 8 5.5 9.5	10 8.0 12.0 36 10 7 7.5 10.5 42 14 9 8.0 12.5 57 11 7 6.0 9.5 64 5 6 4.5 7.0	6 6.0 9.0 38 6 7 6.0 9.5 43 8 6 7.0 9.0 52 10 5 5.5 8.0 52 5 6.0 8.3	4 25 45 32 3 3 25 40 34 8 4 40 55 53 10 4 30 50 35 6 5 35 50	
02	310		[-dm	17.0	11.0	11.0	11.5	7.5	10,5	9.5	4.0	
9.4	لما	8	Vaim	13.0	8.5	20	0.0	5.0	7.5'	6.0	2.5.	
Lon	E	7	O	10	6	Cr.	5	I	~	~	~	
Ω		0800-1200	٦	17	7-1	/1/	,	0,	10	9	~	
Lat. 23, 3 S Long. 45, 8 W		Ö	ri Eg	601	00	75	60	20	200	8	32	
1t			dm	17.5	12.0	4.0/	17.0	11.0	12.0	0.0	4.5	
۲		0400-0800	V <sub>dm</sub>	2.5	9.0	7.5	7.5	00	0.0	6.0	2.5	
700			δ, U	00	0	10	8	11	10	9	7	
- 1			0400	2 1	0		Ç	<i>∞</i>	0	9	00	4
Braz				Fam Du	7 11.0 16.0 115	93 12	11	72	3	54	45	3
Station São José, Brazil				16.0	7 10.5 14.5		12.5			2,5	5.5	
		0000-0400	Vdm	11.0	10.5	9 7.5 11.5	9.0 12.5	10 6.5 18.0	7.0 10.0	6 6.5 9.5	4.0	
		0-	٥	2		0	00	0/	0	e	7	
ion.		000	Fam Du De Vam Lam	8	9	6	7	<i>∞</i>	ζ,	9	7	
Stat		ŏ	rr Eg	22/	105	63	00	5-7	70	5-0	34 4 4 4.0 5.5 33	
			Frequency (Mc)	150.	8//	346	.545	ارد که	5	0/	8	

Fam = median value of effective antenna noise in db above ktb

 $D_{m u}$  = ratio of upper decile to median in db  $D_{m z}$  = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V<sub>dm</sub> = median deviation of average voltage in db below mean power

61		0	Vdm Ldi								
Aug. ) 19 61		2000-2400	ν <sub>b</sub> ν								
		)-2	Du De	و	000		00	10	7	9	7
ığ.	=	000	<b>n</b> <sub>Q</sub>	9	10		7	/3	9	7	12
A		Ö	Fam	/3/	116	100	97	09	70	5,3	°°
*			Ldm								
*		000	V <sub>dm</sub> L <sub>dm</sub>								
ıne		1600-2000	ρÇ	9/	6	7	6 14	77	7	6	7
ر ا		000	na	و	11	٦/	2	14 22	9	m	7
Sedson Winter ( June		91	Fam Du	125	106	92	92	50	63	45	39
Vint			-dm								
on		00	Vdm								
seas	(T	1200-1600	De					্	9	9	7
0)	(LS	00	n					72	12	. 2	2
M	TIME BLOCKS (LST)	12	Du De Vdm Ldm Fam Du De Vdm Ldm	124	105	84	46	37	15	6h	30
Long. 45.8 W	007		щ.								
4	= B	00	/dm/L		,						
o O	IME	0800 - 1200	100					~	e-	00	3
		00	٥					~	9	7	~
Lat. 23.3 S		08	Fam	123	107	89	49	39	53	50	30
. 2			m.b.								
La		00	D& Van Lan								
		0-0800	) ¥ Q					16	9	9	7
		00	ام					9/	00	اک	7
razi		040	F.	130	113	85	92	5.5	62	47	38
B			<del>p</del>								
Jose		100	-Mp/								
3ã0		0000-0400	De					0	7	00	~
uo Lo		000	n			,		2/	/3	<b>∞</b>	7
Station São José, Brazil		8	Fam Du De Vam Lam	/32	116	101	96	5-7	79	49	38
			Frequency (Mc)	, 120.	. 113	346	. 545	12.4	72	0/	20

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$  = ratio of upper decile to median in db  $D_{\boldsymbol{\ell}}$  = ratio of median to lower decile in db

 $V_{dm}$  = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

\*\*\*No July Data

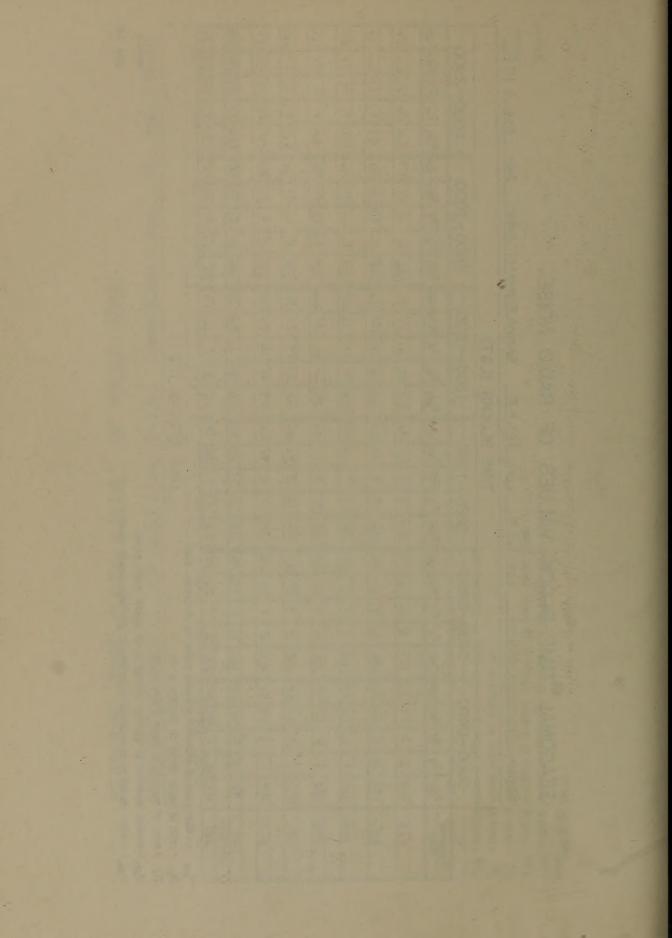
1			-PJ	15.0	16.0	162	13.5	10.01	2.0	6.0	40								
9 61		2000-2400	Vdm	10.0	10.0	6.0	7.5	6.0 10.0	4.0	3.5	2.0								
_			De	4	4	-9	2	4	+	3	٦								
ug.			Da	4	9	5	9	4	-9	~	~								
July Aug. ) 1961		22	Fam	160	137	511	46	64	5-9	84	27								
luly			mp-	0.5.0	0.61	19.0	17.0	/3.0	9.5	7,5	20								
		8	- Mp/	9.5	11.0	11.0	9.5	7.5	0.9	45	3.0								
ne		1600-2000	70	2	0	0/	13	11	•	~	~								
P.		8	۵	7	1	00	5	8	7	m	10								
Sedson Summer ( June		9	Fam	791	138	117	93	90	3-6	46	28								
um			-d	18.0	21.0	23.5	å	13.0	135	57/	5.0								
ON S		8	V <sub>d</sub> m <sub>l</sub>	//.5	13.0	30	12.5	8.5	9.0	8.0	3.0								
Seds	ST)	9 -	DR	2	01	12	74	14	7	7	~								
	5	8	2	72	0/	16	20	17	151	10	00								
<b>三</b>	TIME BLOCKS (LST)	1200-1600	Fam	77	136	4/1	72 22 18 10.5 17.0 86 20 24 125 22.0 93 9 13 9.5 17.0 94 6 6 15 13.5	40	19	37	2,								
Long. 103.8 E	LO		- Ep	30.0	22.5	Six	17.0	14.5	15.0	13.5	4.0								
g. 1	EB	00-1200	0800-1200	mb/	13.5	14.0	14.0	10.5	9.0	,5:	9.0	3.0							
Lo	TIM			000-12	06	n	6	13	8/	10	00	7	-						
					00	00	na	7	10	14	22	16	11	7	7				
Station Singapore, Malaya Lat. 1,3 N		08	Dr Vdm Ldm Fam Du Dr Vdm Ldm	4 11.0 17.0 15-8 7 3 135 20.0 162 5 4 115 160 162 4 4 9.5 15.0 160 4 4 10.0 150	7 12.0/80 130 10 9 140 225 136 10 10 130 210 138 7 9 11.0 190 137 6 5 10.0 16.0	13 13 105 14 5 14 0 45 11 11 130 235 117 8 10 110 190 119 5 4 9.0 11 51 12	72	9 80 135 36 16 10 9.0145 40 21 14 8.5 13.0 60 8 11 7.5 13.0 64 4	6 70 115 37 11 8 95 150 79 15 12 90 135 56 5 6 60 95 59 6 4 40 70	5 5.0 7.0 35 7 7 9.0 13.5 37 10 7 8.0 125 46 3 3 45 75 48 3 3 35 6.0	1 25 35 22 22 22 25 1 30 40 25 8 3 30 50 28 5 3 30 50 27 3 2 2.0 40								
1			Ldm	0.71	180	SIC	12 11.0 18.0	13.5	11.5	7.0	3.5								
٦		100-0800	0080-00t	0080-00t	100-0800	0400-0800	V <sub>d</sub> m	11.0	12.0	12.5	11.0	8.9	7.0	5.0	2,5,				
B							0-	VO.	7	7	/3	12	9	9	5	1			
ılay							O	6	9	6	14	00	15	7	~				
, Ma		0	m <sub>B</sub>	191	136	114	83	5-8	53	40	23								
ore	F		m F	16.0	15.5	16.0	14.0	511	9.5	20	3.5								
ngar		0000-0400	-0400	-0400	-0400	Vdm	3 10.5 16.0	10.0 15.5	9.0	8.0 14.0	2.11 2.01 2	4 5.5 95	5 45	1 2.0 3.5					
Si						0-	0-	0-0	0-0	0-0	0-0	0-0	0-	0-	De		10	7	9
ion		00	na	9	4	7	9	7	12	4	7								
Stat		ŏ	Fam Du De Vam Lam	0 7/	139	120	93	19	56	43	23								
			Frequency (Mc)	, 0/3	150.	. 160	.545	7.5	72	0/	20								

Fam = median value of effective antenna noise in db above ktb

D<sub>u</sub> = ratio of upper decile to median in db

 $D_{\mathcal{L}}$  = ratio of median to lower decile in db

 $V_{dm}$  = median deviation of average voltage in db below mean power  $L_{dm}$  = median deviation of average logarithm in db below mean power



### U. S. DEPARTMENT OF COMMERCE Luther H. Hodges, Secretary

NATIONAL BUREAU OF STANDARDS
A. V. Astin, Director



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The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries out specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the front cover.

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Metrology. Photometry and Colorimetry. Refractometry. Photographic Research. Length. Engineering Metrology. Mass and Scale. Volumetry and Densimetry.

Heat. Temperature Physics. Heat Measurements. Cryogenic Physics. Equation of State. Statistical Physics. Radiation Physics. X-ray. Radioactivity. Radiation Theory. High Energy Radiation. Radiological Equipment. Nucleonic Instrumentation. Neutron Physics.

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Mechanics, Sound, Pressure and Vacuum, Fluid Mechanics, Engineering Mechanics, Rheology, Combustion Controls,

Organic and Fibrous Materials. Rubber. Textiles. Paper. Leather. Testing and Specifications. Polymer Structure. Plastics. Dental Research.

Metallurgy. Thermal Metallurgy. Chemical Metallurgy. Mechanical Metallurgy. Corrosion. Metal Physics. Electrolysis and Metall Deposition.

Mineral Products, Engineering Ceramics, Glass, Refractories, Enameled Metals, Crystal Growth, Physical Properties, Constitution and Microstructure.

Building Research, Structural Engineering, Fire Research, Mechanical Systems, Organic Building Materials, Codes and Safety Standards, Heat Transfer, Inorganic Building Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics, Operations Research.

Data Processing Systems. Components and Techniques. Digital Circuitry. Digital Systems. Analog Systems. Applications Engineering.

Atomic Physics. Spectroscopy. Infrared Spectroscopy. Solid State Physics. Electron Physics. Atomic Physics. Instrumentation. Engineering Electronics. Electron Devices. Electronic Instrumentation. Mechanical Instruments. Basic Instrumentation.

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Radio Standards. High Frequency Electrical Standards. Radio Broadcast Service. Radio and Microwave Materials. Atomic Frequency and Time Interval Standards. Electronic Calibration Center. Millimeter-Wave Research. Microwave Circuit Standards.

Radio Systems. High Frequency and Very High Frequency Research. Modulation Research. Antenna Research. Navigation Systems.

Upper Atmosphere and Space Physics. Upper Atmosphere and Plasma Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.

